

FIG. 1

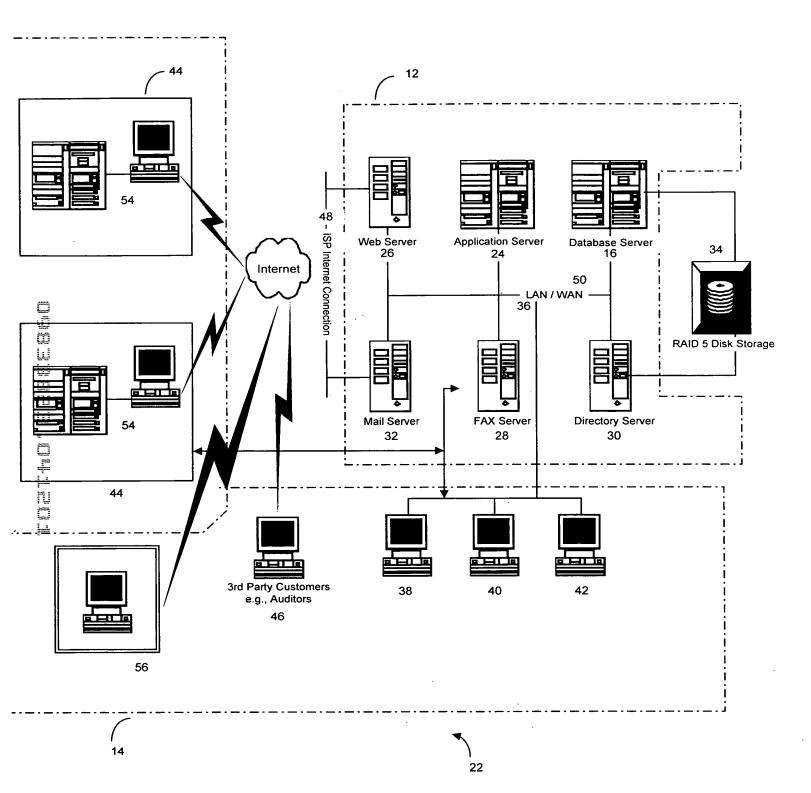
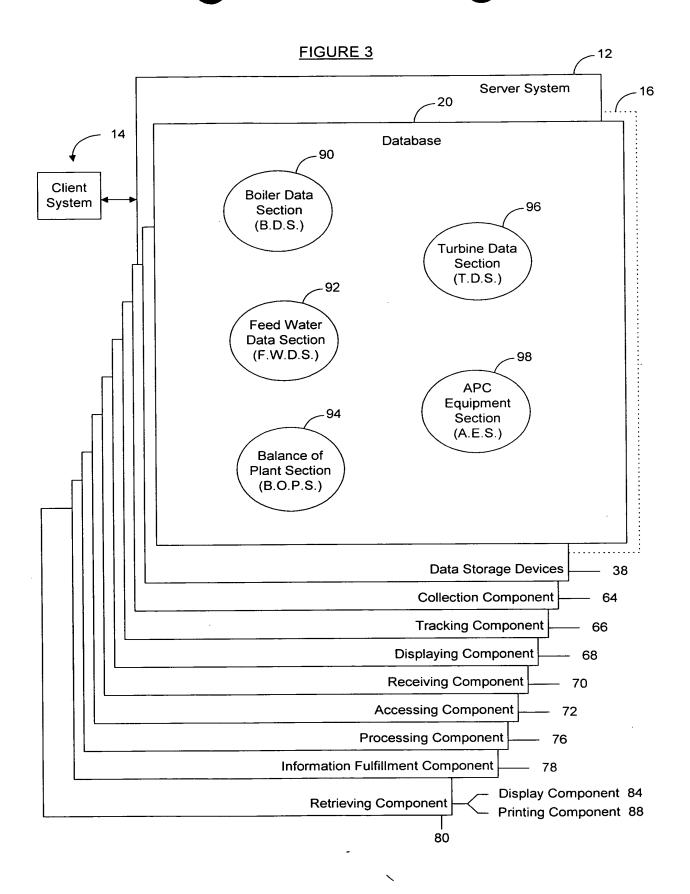


FIGURE 2



•

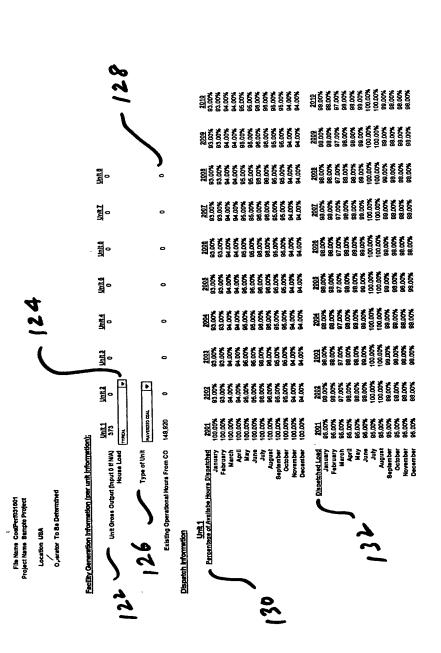


FIGURE - 4 12

| Unit 2 | 2001 | 2003 | 2003 | 3004 | 2002 | 2002 | 2002 | 2000 | 200 | 2010 | |
|--|-----------------|---------------------------------------|---|----------------|--|--------------------|------------------------|---|----------------------------------|------------------|--|
| Valuable of Average in the Language of Appropriate | 8 00 X | 93.00X | 80.00 | 83.00% | 83,00% | 83.00% | 83.00% | \$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00 | 8008 | 82.00% | |
| February | 82,00% | 83.00% | 83.00% | 80°00 | 83.00% | 93.00% | 83.00% | 2002 | 42.00.48 4.00.48 | 200 | |
| Merch | 94 ,00% | P4.00% | 2002 | 200 | 600 | 8 8 | 8 8 8 | | 3 2 | %00.76 | |
| April | \$ 00.4 \$ | 200.7 | 84.00% | 5 6 | 200 | 8 8 | ¥ 00 % | 85.00% | %00% | 96.00% | |
| | 500 | 20.00 | 80.00 | 50.00 | 94 DOW | 86.00% | 86,00% | \$6.00% | 86.00% | 85.00% | |
| | | 8008 | 86.00% | %00°96 | 800 | 80008 | 800.86 | 86 .00% | 96.00% | 96.00% | |
| Andrew A | 94.00% | %00 98 | 98,00% | 8000g | \$6,00% | 86,00% | 96.00% | 800.00 | 86.00% | 86.00% | |
| Section 8 | 8 | 96,00% | 85.00% | 200 S | \$500% | 85.00% | %,00°36 | 95.00% | 86.00% | 95.00% | |
| October | 800% | 85.00% | 86.00% | 86.00% | 85.00% | 86,00% | 85.00% | 86.00% | 6000 | 95.00% | |
| Movember | 94.00% | \$00.00 \$ | 94.00.49 | \$00°\$6 | \$4,00% | \$6.00% | 94.00% | \$4.00% | 200 | \$00.56 | |
| December | 94.00% | 84.00% | P4.00% | 94.00% | \$4.00% | 94.00% | \$00.F | 2 .00. 2 | 8 | 84.00% | |
| | 700 | | \$004 | Ž | 9002 | 2006 | 2002 | 2008 | 5002 | 2010 | |
| Dispersion Dispersion | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 36 | 8 | 3 008 | 88.00% | 89.00% | %00'88 | 88.00% | \$90.09% | |
| remove. | 80.00 | 200 BB | %00.88 | 960088 | \$6,00% | 88,00% | \$600.88 | \$8.00% | 88.00% | \$8.00 % | |
| tore M | 760 ZB | 87.00% | 87,0078 | \$7.00% | \$4,00.78 | ¥00'28 | % 00.78 | 97.00% | 84.00.76 | 97.00% | |
| April | \$00.00 88 | \$8.00% | \$600% | 89.00% | 88.00% | 98,00% | %00'88 | \$8.00.X | 88.00% | 88.00% | |
| 787 | \$600.88 | 89.00% | \$400.88 | 89.00% | \$6.00% | 88.00% | 98.00% | \$600.80 500.80 | 88.00% | 600.00 000.00 | |
| June | 88.00% | \$00.00 | 88.00% | 89.00% | 89.08 X | 80008 | 80008 | 88.00% | 200,000 | 400.00% | |
| July | 100.001 | 100.00% | 100.00% | 100.00% | ,0000 | 100,00% | 100.00 | 100.00 | ¥00.00 | 100.00 | |
| August | 100.00 X | 2000 | 100.00 | 100.001 | 2000 | 100.00 | 80000 | 30000 | %00 es | %00 88 | |
| September | 80.00% | 88.00% | 80008 | 89,00% | 20 00 00 00 00 00 00 00 00 00 00 00 00 0 | | 88.00% | 88.88 | 8000 % | 88.00% | |
| October | 60.8 | 88.00% | 89.00 | 8 20 00 | 300 | 88 00% | %00086 | 96.00% | 88.00% | 99.00% | |
| November | 88.00% | 8 CC 20 | 88.00.00 | 8000 | 200.00 | AP 000 SE | %00°8 | 88.00% | \$6.00% | %00:86 | |
| | 88.00% | 4 | K 37.84 | 23.0 | 3.5 | | | | | | |
| 543 | 3 | 5008 | *00* | 796 | 2005 | 2008 | 2007 | 2008 | 2008 | 2010 | |
| Percentage of Available Hours Disparched | 3 | 100 | 300 | 8 | 89 00% | 83,00% | 93.00% | 83.00% | 82.00% | 83.00% | |
| Jennery | 2000 | 2006 | S OU S | 8000g | 83.00% | 83.00% | 83.00% | \$3,00% | 93.00% | 83.00% | |
| Ample 1 | 2 2 | 200.00 | P. 00.76 | \$ 00 3 | \$ 00.3 | 84.00% | 94.00% | 94.00% | 84.00% | \$00.48 | |
| | 6 | A00.76 | 8,00% | 84.00% | \$4.00% | 84.00% | 2 .00. 2 | 94.00% % | \$ 00% \$ | 60 | |
| | 300 | 86.00% | 960098 | 86.00% | 86.00% | 96.00% | 85.00% | 95.00% | 85.00% | 86.00% | |
| eun | 96008 | %00'98 | 86.00% | \$6,00% | 86.00% | 86,00% | 85,00% | 8003 | 86.00% | 85.00% | |
| Ang | 86.00% | 96,00% | 86,00% | %00°98 | 98,00% | 86.00% | 86.00% | 86.00% | 6000 | 80.00 | |
| August | 96.00% | 90 :00% | 96,00% | 80.00% | 86.00% | 26.0036 20.0036 | 86.00% | 80.00 80.00 80.00 80.00 | 80.00 80.00 80.00 80.00 | 95 DO'S | |
| September | \$6.00% | 82.00% | 95.00% | 85.00% | 89.00 80 80.00 80.00 80.00 80.00 80 80 80 80 80 80 80 80 80 80 80 80 8 | K0000 | 83.00 A | 45 M.W | %00% 86.00% | 95.00% | |
| October | 800% | 82:00% | 80008 | 650 | 80700 YO | 8 20 20 | 200 A | \$ 00 M | 94.00% | 84.00% | |
| November | 500 | 56 | 200.00 | 3 | 6 | P. 00% | 84.00% | P.00.4 | 84.00% | 94.00% | |
| December | 5 | K-07:4 | R 20'5 | 3 | | | | | | ; | |
| beod bedstated Load | 2001 | 2002 | 2002 | 2002 | 2005 | 5002 | 즳 | | | 2010 | |
| Astruct | 89.00% | \$6.00% | 88.00% | 88 :00% | 800 | 89.00% | 88.00% | 8870A | 8000 | 20000 | |
| February | %00°8 | %00'86 | 88,00% | 88.00% | \$8.00% | 88.00% | 88.00% | 400.00 | 98.00% | 95.00% 97.00% | |
| Merch | 97.00% | 94.00.76 | 87.00.78 | 87.00.YB | 97.00% | 87,00% | *00.78 | #00.78 | 200.00 | 700.00 | |
| April | \$6008 \$600 | %00°86 | \$600.88 | 88.00% | 88.00% 8.00% | 88.00% | 88.00 a | 8 00 00 3 00 00 | 7600 | %00 88 %00 88 | |
| May | \$900% | \$600.88 \$00.88 | 88.00% | 88.00% | 88.00.88 | 20.00 | 8000 | 200 | 30 CG | %00 88 | |
| June | 98.00% | \$400°8 | 86 86 | 80.00% | 20.00 | 400.00° | *00.00 | 400 O | 400 004 | 100.00% | |
| Anf | 100.00% | 100.00% | 100.00% | 100.007 | 100.00 | 400.00 | 2000 | 100.00% | 100.00% | 100.00% | |
| August | 2000 | 100.00% | 100.00% | 20.00 | 100.00 | 00.00 B | A900 | 36 00 % | 96000B | 98.00% | |
| September | 80.00 | 8000 | 50.00 | 200.00 | 100 as | X00.88 | 80008 | \$8.00.¥ | \$600.86 | 88.00% | |
| Detable | 8000 C | 500 | 80.00 | 200 | 3600 BB | %00 88 | 80008 | \$6.00% | 89.00% | \$6.00% | |
| November | 8900% | 88.00% 90.00% | 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 89.00 | \$00.86 \$00.86 | 88.00% | 88.00% | %00'B8 | 89 .00% | \$8.00% | |
| ресепрет | £2775 | N. W. W. | A 24:50 | | | | | | | | |

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| Unit 4 | Š | 2003 | 2003 | 2004 | 2002 | 2006 | 2002 | 2008 | 2002 | 2010 | |
|--|-------------|--|---|---|----------|------------------|------------------|---------------|---------------|--------------------|--|
| MAILWARD STORY STORY TO ADE | | 9008 | 90 | 000 | 83,00% | 93.00% | 83.00% | 83,00% | 83.00% | 83.00% | |
| - Amount | 200 | 700.60 | 80 PG | 80008 | 93,00% | 83.00% | 83.00% | \$2,00% | 800.09 8 | 83.00% | |
| (Table) | 200 | 94 00% | A 00.4 | 8,00% | \$00% | 94 00% | 84.00% | 94.00% | 94.00% | 84.00% | |
| 100 E | 200 | 100 | A00.40 | 8 | P.00% | 94.00% | \$4.00% | 94.00% | \$4,00% | 84.00% | |
| | A 00.00 | 95,00% | 96.00% | 85.00% | 95.00% | 86.00% | 86.00% | 85.00% | 96.00% | 88.88 % | |
| | A 00.00 | 96 00 % | 85.00% | 88.00% | 95.00% | 86.00% | 86.00% | 86.00% | 86.00% 8 | 86.88 | |
| 4:1 | 200 | 28.00% | 7 CO 86 | 800.88 | %00°8 | \$000 % | 98.00% | \$90.0% \$ | 98.00% | 88.00% | |
| tipe of the second | 200.00 | 96.00% | 98 00% | 88.00% | 86,00% | \$6.00% | 86.00% | 88.00% | 86.00% | \$6.00% | |
| Tangara C | 90.00 | 20.00 20.00 | 96.00 A | 96 00% | 86.00% | 96,00% | 85,00% | 85.00% | 85.00% | 96.00% | |
| racing dec | 90.00 | X 20 30 | 95.00% | 96 00% | 95.00% | 86.00% | \$6,00% | 85.00% | 96.00% | 86.00% | |
| and | 2000 | 200 | P4 00% | 200 | \$6.00% | 800.8 | \$00.8 | \$6.00% | 84.00% | \$00. \$ | |
| December | 8 00 X | 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 94.00% | \$4.00% | £ 00% | \$00.X | 94.00% | \$00.18 | \$4.00% | 3 | |
| | | | | į | | 3 | 200 | 9000 | 9000 | 2010 | |
| Dispatched Load | 2 | 2002 | 2003 | į, | 2002 | | | | 8008 | 800% | |
| January | %00'88 | 88.00% | 88.00% | 88.00% | 600 | 80.00 | 90.00 | 200 BB | 88 00% | 89.00% | |
| February | 88.00% | 98.00% | 80008 | 200'BB | 4 OT 04 | 2000 | 300.00 | 97 OPK | 25 00% | %00.78 | |
| March | 87.00% | 80.00 | 84.00% | 84.00 | 100 PG | # OF 78 | 200 as | 760 BB | %00 B6 | 88.00% | |
| April | 88.00 | *00 88 | 88:00.98 | 6 10 10 10 10 10 10 10 10 10 10 10 10 10 | 2000 | 80000 | 200 es | 28 00% | 960096 | %00'88 | |
| May | 88.00% | 68.00% | 86.00% | 2000 | 2000 | 200.00 | 750000 | 200 BB | %00 88 | 89.00% | |
| eunc | 80.00% | 200 | 20.00 | 86,00% | 80000 | 400.004 | 100.00 | 100.00% | 100.00% | 100.00¢ | |
| Ann' | 2000 | \$00.00\$ | 100,003 | 100.00 | 400.004 | 3000 | 100.00% | 100.00% | 100.00% | 100.00% | |
| August | 100,00% | 100.001 | 100.003 | 20000 | 20000 | 70000 | 35 CO 66 | 900 ee | 89.00% | %00°8 | |
| September | 88.00% | \$00.88 | 600.00 | 800'88 800'88 | 99.00 | 20.00 | 98 00% | 98 00% | \$00.88 | 88.00% | |
| Oatober | 88.00 | \$8.00% \$00.00% | 60000 | 80.00 | 80.00 | 200 BB | X00.88 | \$600% | \$00.88 | %00.88 | |
| November | 8800% | 88.00% | 88.00 | 80.00 | 80.00 | 7008 | 8008 | 800% | 88.00% | %00'88 | |
| December | 60.88 | 88.00.88 | 80.00% | 20.00 | | | | | | | |
| 9440 | , | 6006 | 1004 | 3004 | 2008 | 2008 | 2007 | 2008 | 2002 | 2010 | |
| Percentage of Available Hours Dispatched | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 300 | | 200 | 83.00% | 83.00% | 93.00% | 93.00% | 93.00% | |
| Candary | 83.00 g | 200.00 | 200 PG | 30000 | 83.00% | 83.00% | 83.00% | 83.00% | 80°08 | 93.00% | |
| Pedruary | 20070 | 2000 | 2007 | 94.00% | 94,00% | 94.00% | 84.00% | 84,00% | \$4.00% | 84,00% | |
| March | | 3 | 8 | 84,00% | 84,00% | \$00.48 | 94.00% | 94,00% | 84.00% | 84.00% | |
| | 200 | | 96.00 | SK nork | 200 S | 86.00% | \$6.00% | 86.00% | 86.00% | 82.00% | |
| May . | 20.00 | 92.00 | A COUR | 800% | 8200% | 85.00% | 86.00% | 86.00% | 86.00% | 95.00% | |
| | 2000 | 3 | 200 SQ | 8800% | 86.00% | 96.00% | 96.00% | 98.00% | 86.00% | 88.00% | |
| Sinc. A | 80.00 | 200 | 80008 | 800% | X00.00 | 96.00% | 86.00% | 96.00% | 86.00% | 86.00% | |
| in the second | 2000 | OB DOW | 86.00% | 80008 | 89 DOX | 86.00% | 86.00% | 86.00% | 88.00% | 82.00% | |
| and | 90.00 | 95.00% | 86.00% | \$000 | 86.00% | 96.00% | 86.00% | 85.00% | 85.00% | 95.00% | |
| potential and a second | 8 | A 00 40 | %00.7d | 100 | 94.00% | 94.00% | \$00.38 \$00% | 94,00% | 94.00% X | 94.00% | |
| December | 2 | 94.00% | \$ 00.7¢ | 94.00% | 94.00% | 84.00% | \$00.76 | 8 6038 | \$.00° | #.00.#s | |
| | | | | į | • | 4004 | 2002 | 800% | 2009 | 2010 | |
| Disparated Lose | Z | 2002 | | | | 9 | 200 BG | 8800 | 88 | %00'88 | |
| January | 88.00% | 88.00% | 50.00 | 20.00 | 200,00 | 3000 | 90 DO | 2500 | %0088 | %00'88 | |
| February | 88.00 % | 88.00% | *00.88 | 50.00 | 86.00 kg | 90.00 | 87 CO. | 87.00% | 87.00% | 97.00% | |
| March | 97.00% | 67.00% | 60.78 | 800.78 | 10000 | 300 | A 00 80 | 88.00% | %00°88 | 88.00% | |
| April | 88.00% X | 88.00% | 60.00 | 2000 | 20000 | 2000 | 300.00 | A8 00% | 88,00% | %00'88 | |
| May | %00 86 | # 00 86 6 | 8 30 30 30 30 30 30 30 30 30 30 30 30 30 | 400.00 400.00 | 200 | 200.00 | 89.00% | %00 68 | 80.00% | %00.6 8 | |
| -unc | \$9008 | 80.00% | 89.00% | 400.88 | 20000 | 400.004 | 100.004 | 100.00% | 100.00% | 100.00% | |
| Anr. | 100.00 | 100.00% | 80000 | 5000 | 20000 | 400.00% | 2000 | 700 002 | \$00.001 | 100,00% | |
| August | 100.00% | 100.00% | 200.00 | 100.001 | 100.00 | 100.00 200.00 | 200 | 90008 | X-00 66 | %00°8 | |
| September | 88.00% | 99.00% % | \$00.08 \$00.08 | 88.00.88 | 2000 | 20000 | 700.00 | 200.00 | %00 88 | 88.00% | |
| October | 8000% | 88.00% | 88.00% | 88.00% | 88.00% | 8000 | 800.00 | 900.00 | 200°C | 88.00% | |
| November | \$0086 | 88,00% | 88.00% | 88.00% | %00'86 | 68 | 88.00% | 200.00 | 200.00 | 88.00% | |
| December | 800% | %00 :86 | %00'88 | 88.00% | 69.88 | 69.88 | 4570'5E | 427'00 | - | | |
| | | | | | | | | | | | |

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| 25 25 25 25 25 25 25 25 25 25 25 25 25 2 | 86.00% 86.00% 86.00% 86.00% 84.00% 84.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% | 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% | 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% |
|---|---|--|---|
| 2010 83.00% 93.00% 94.00% 96.00% 95.00% | 98.00.00.00.00.00.00.00.00.00.00.00.00.00 | 1888 4 4 8 8 8 8 8 8 8 4 4 | ************************************** |
| 2009 83.00% 93.00% 94.00% 85.00% 85.00% | 86.00% 66.00% 66.00% 66.00% 66.00% 66.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% | 93.00% 93.00% 94.00% 96.00% 96.00% 96.00% 96.00% 94.00% | 98.00% 98.00% 98.00% 98.00% 100.00% 100.00% 98.00% 98.00% 98.00% |
| 2008 83.00% 84.00% 84.00% 85.00% | 86.00% 66.00% 66.00% 66.00% 66.00% 87.00% 87.00% 87.00% 88.00% 110.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% | 93.00% 93.00% 94.00% 96.00% 96.00% 98.00% 98.00% 98.00% 98.00% | 88.00% 88.00% 87.00% 88.00% 88.00% 88.00% 100.00% 100.00% 88.00% 88.00% 88.00% |
| 2007 93.00% 93.00% 94.00% 95.00% 85.00% | 200% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% | 83.00% 83.00% 84.00% 85.00% 85.00% 85.00% 85.00% 85.00% 85.00% 86.00% 84.00% | 2005 98 000 97 000 98 000 900 900 900 900 900 900 900 900 900 |
| 2008 93,00% 93,00% 94,00% 94,00% 95,00% | 66.00% 85.00% 85.00% 85.00% 84.00% 84.00% 85.00% 85.00% 86.00% 100.00% 100.00% 86.00% 100.00% 100.00% 86.00% 100.00% 100.00% 86.00% 100.00% 10 | 83.00% 93.00% 94.00% 96.00% 96.00% 96.00% 96.00% 96.00% 94.00% | 2008 88.00% 68.00% 67.00% 88.00% 88.00% 100.00% 180.00% 88.00% 88.00% 88.00% 88.00% |
| 2008 83.00% 94.00% 94.00% 85.00% 85.00% | 86,00% 86,00% 86,00% 86,00% 86,00% 86,00% 89,00% 89,00% 89,00% 89,00% 89,00% 89,00% 89,00% 89,00% 89,00% | 2005 93.00% 93.00% 94.00% 94.00% 94.00% 94.00% 94.00% | 2005 88.00% 88.00% 87.00% 88.00% 100.00% 100.00% 88.00% 88.00% |
| 2004 93,00% 93,00% 94,00% 94,00% 85,00% | 86.00% 86.00% 86.00% 86.00% 86.00% 86.00% 87.00% 86.00% 86.00% 100.00% 100.00% 100.00% 100.00% 100.00% | | 2024 88.00% 88.00% 87.00% 88.00% 190.00% 100.00% 100.00% 100.00% 88.00% 88.00% |
| 2002 85,00% 95,00% 84,00% 84,00% 95,00% | 86.00% 84.00% 84.00% 84.00% 84.00% 86.00% 89.00% 89.00% 89.00% 100.00% 100.00% 100.00% | | 2003 88.00% 88.00% 91.00% 98.00% 100.00% 100.00% 100.00% 88.00% 98.00% 98.00% |
| 2002 83.00% 83.00% 84.00% 86.00% 86.00% | 88.00% 88.00% 88.00% 94.00% 94.00% 98.00% 88.00% 100.00% 100.00% 88.00% 100.00% 100.00% 88.00% | 2002 85.00% 85.00% 84.00% 84.00% 85.00% 85.00% 86.00% 86.00% 86.00% 86.00% 86.00% | 2002 88.00% 88.00% 88.00% 88.00% 100.00% 100.00% 100.00% 88.00% 88.00% 88.00% |
| 2001 83.00% 94.00% 94.00% 95.00% | | 2001 93,00% 94,00% 94,00% 96,00% 96,00% 96,00% 96,00% 96,00% 96,00% 96,00% 96,00% | 2001 88.00% 88.00% 88.00% 98.00% 98.00% 100.00% 100.00% 100.00% 100.00% 100.00% |
| Unit 6 Percention of Available Hours Diseatched Lenusy February Narch March March March March May | Juny Juny August Begsamber Octobes November Dispetched Load Junusy February February February February August August August Octobes Octobes Inhe 7 November Octobes November November November November December | Percentage of Arallable Hours Dispatched January Rechustry | Annual Paridagaga Parama Param |

| 2010 93.00% | P. 00% | 95.00% 95.00% 86.00% 86.00% | 95.00% 95.00% 94.00% | 2010 88:00% 87:00% 87:00% 88:00% 88:00% 100:00% 100:00% 88:00% 88:00% 88:00% |
|--|----------------------------------|--------------------------------------|---|--|
| 2009 83.00% | 90.29 700.29 | 85.00% 85.00% 86.00% | 95.00% 86.00% 94.00% | 2002 88.00% 97.00% 97.00% 98.00% 98.00% 100.00% 100.00% 98.00% 98.00% 98.00% |
| 2008 83.00% | F.00% | 95.00% 95.00% 86.00% 8.00% | 95.00% 96.00% 94.00% | 2008 89.00% 89.00% 89.00% 89.00% 100.00% 89.00% 89.00% 89.00% 89.00% 89.00% |
| 2007 63.00% | 94.00% X00.49 | 85.00% 96.00% 80.00% | 95.00% 96.00% 94.00% | 2007 88.0078 97.0078 97.0078 98.0078 98.0078 99.0078 98.0078 98.0078 98.0078 |
| 2008 93:00% | 94.00% 94.00% | 85.00% 85.00% 86.00% | 85.00% 96.00% 84.00% | 88.00% 88.00% 97.00% 97.00% 89.00% 100.00% 100.00% 89.00% 88.00% 88.00% 88.00% |
| 2008 93.00% | 84.00% 84.00% | 86.0038 86.0038 86.0038 | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 88.00% 88.00% 97.00% 88.00% 88.00% 100.00% 100.00% 88.00% 88.00% 88.00% |
| 2004 85.00% | 9 9 9 200 4 300 4 300 4 | 86.00% XXXX | 88.00.89 \$5.00.89 \$7.00.89 \$7.00.89 | 88.00% 88.00% 87.00% 87.00% 88.00% 100.00% 100.00% 89.00% 89.00% 89.00% 89.00% |
| 2003 | 85.00% 8 20.00% | 86.00% 86.00% | 95.00% 96.00% 94.00% | 88.00% 88.00% 87.00% 89.00% 88.00% 100.00% 100.00% 100.00% 88.00% 88.00% 88.00% 88.00% 88.00% 88.00% |
| 2002 93.00% | 95.00% 9.00% | 85.00% 85.00% | 95.00% 96.00% 94.00% | 88.00% 88.00% 88.00% 87.00% 88.00% 100.00% 100.00% 88.00% 88.00% 88.00% |
| 2001 83.00% | 93.00% \$00.49 \$00% | 85.00% 96.00% | 86.00% 86.00% 86.00% 86.00% 86.00% | 88.00% 68.00% 87.00% 88.00% 98.00% 100.00% 100.00% 88.00% 88.00% |
| / Unit 8 Percentage of Available Hours Dispetched | February Merch | Anr Sunr Sunr | August Baptamber Cobber November December | Dispatched Losed January February February March April May June April Angust August Respismber Respismber Respismber Respismber Respismber Respismber Respismber Respismber Respismber |

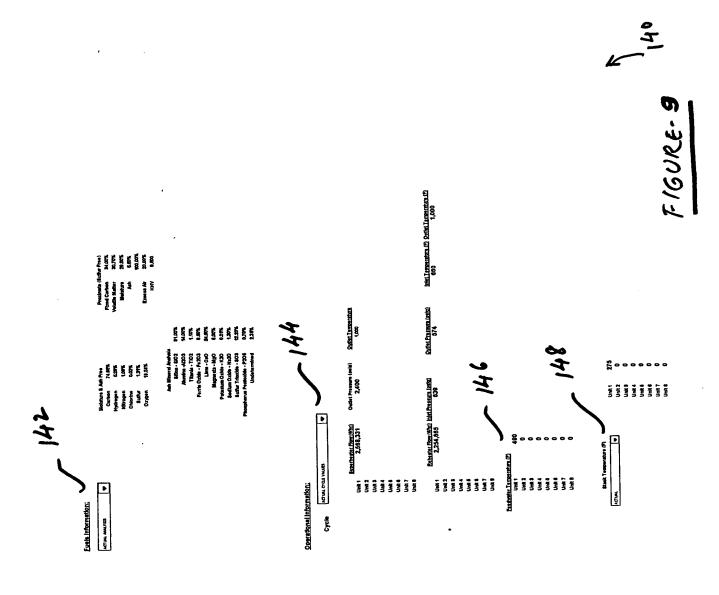


FIGURE-10

\$15.00 \$15.00 \$30.00 802 Control Equipment Coal Pricing FOB Mine Transportation Flyash Control Equipmen Chit 6 SH2 Chit 2 Chit 3 5 th 6 Chits Chit 3 Unit 2 Unit 4 Unit 6 Unit 6 Catt 7 1 1 1 1 Unit 6 Unit 6 Unit 7 Fecility Equipment Information:

ogeses acutica

STEAM CONDITIONS: With Equiv. QF Steam 2,568,331 Without QF Steam 2,568,331 2,254,665 b/hr Superheater Flow 2.254.665 Reheater Flow: Included No Loss No Loss OF HEAT LOSS Superheat Pounds Per Hour Pounds Per Year 0.0000E+00 Inlet Conditions: 639 2,470 Steam Pressure - psia 464.696 Pressure - 0 team Quality 0 460 660 Temperature 490 Nater/Steam Temp. F 210 Degrees of SI 50 1.325 Enthaloy OF Steam Enthalpy 1243.18 Outlet Conditions; 476.14 589 FW Enthalpy Steam Pressure - psia Heat Loss - Btu's Btu's Steam Temp. - Deg. F 1,000 1,000 Reheat-To Superheat Ratio 0.877871661 0 Increase in Steam - #/h 1,460 1,518 Enthatpy 0.00% 192 Heat Input Partial Load Equiv. Output - MW 373 MW 0.0000 0.0000 208 .2-.55 >55 100% (MCR) 95.00% PREDICTED PERFORMANCE: AVERAGE LOAD FUEL Pulverized Coa 0.9589 0.9589 2,568,331 TURBINE STEAM FLOW CORRECTION FACTOR 2,439,914 2,141,932 EXTY EXTY Superheater: 2.254.665 1.000 1,000 TEMP. AT SUPERHEATER/REHEATER OUTLET 2 400 574 2.400 psig PRES. AT SUPERHEATER/REHEATER OUTLET FEEDWATER TEMP. 10 11 12 268 GAS TEMP. LEAVING AIR HEATER 13 14 15 80 AMBIENT AIR TEMP.
AIR TEMP. LEAVING THE AIR HEATER (APPROX)
EXCESS AIR F 552 20 20 pct 16 17 LHV 4.20% HEAT LOSSES 4 20% 4.36% pct 18 19 20 21 22 23 24 25 26 27 28 29 30 DRY GAS 8.02% 0.10% 8.04% H2O & H2 IN FUEL H20 IN AIR pct pct pct pct pct 0.10% 196 0.24% 0.20% 0.25% CARBON RADIATION 0.33% 0.35% 1.43% -0.39% MFG. MARGIN -0.41% pct pct pct HEAT CREDITS BLOWDOWN 0.00% 0.00% 13.92% 6.15% TOTAL 93.85% 86.08% 85.81% pct EFFICIENCY 31 32 33 34 35 36 37 3,554.99 418,234 3,366.55 MMbbuthr GROSS HEAT FIRED tonnes/frr 190 396,065 tonnes/hr 180 Ib/hr TPH FUEL FIRED PER HOUR 198.03 95.00% 209 12 100.00% AVERAGE LOAD CONDITION DURING AVAILABE HOURS 8 256 8.256 AVAILABLE HOURS 1,634,955 1,726,472 t/yr FUEL FIRED PER YEAR 38 39 40 41 42 43 44 45 46 47 48 49 50 51 55 55 55 55 56 57 58 59 60 3,410,456 3,601,358 TOTAL COMBUSTION PRODUCTS tb/tv ACFM Both 1,109,079 3,014,392 3.183.124 TOTAL COMBUSTION AIR ACFM 10.89 11.50 t/hr TOTAL ASH (100% UP) 3.10 25,586 2.93 TOTAL LIMESTONE (100% UP) 24,230 13.83 tут 14.60 TOTAL FLYASH/LIMESTONE REMOVAL SYSTEM LOADING t/hr 114.152 3,410,456 3,601,358 tb/hr FLUE GAS TO STACK 0 o JUNGSTROM AIR HEATER LEAKAGE 0 SOOTRI OWING STEAM bh 2 439 914 2,568,331 NET EVAPORATION POUNDS STM/KW 6.89 NO. OF UNITS HEAT RATE CALCULATION (APPROX.): BTUKWHR BTUKWHR Gross Heat Rate (Total Plant): Net Heat Rate (Turbine Only): kJ/kWh <u>k.J/kV/h</u> 10,068 BTU/KW HR BTUKWHR. 9,513 8,796 10,036 9,280 61 62 63 9,543 HHV Plant Gross Heat Rate: 9,310 10,654 8,824 194 10.621 BTUKWHR ٦нн∨ tant Net Heat Rate: 9.852 9.308

FIGURE-11 \$ 190

| | u | . 11 | . u. | | u | . 3 | | 3 | i > | > | ->> | · > > | > | | • | | u. | ; | > > | • : | > > | . , | > > | . > | . > | | | • | | _ | |
|----------------------------|---|------------|-----------------------------|-----------------|--|---|----------------------|---|---|----------------------|------------|--|-------------|---|-------------------------------|--|---------------------------------|---|---------------|---------------|-------------|------------|--------------|------------|------------------|-------------------|-----------------------------|--|---|-----------------------------|---------------------|
| Ista | 12F 89F 83 | 100 | 2 | 8 | s | : 1 | T. | | | 190157.18 | 000,0072 | 842,861 8476,581 | 623 | 8 | | 22 962 | £78,1953 | | Dest age 1 | | | | | \$0.000 | 61418.563 | | | 8 | \$58,780,637 | 2,921,796,923 \$0 0739 | |
| 2 12 N | | | | | | | | | | | | | | | | | | | 2 : | 8 | | : | 9 : | 2 8 | 2 | | | | | • | |
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| S HUT | | | | | | | | | | | | | | | | | | ٠ | 8 | 8 | | | 2 | 8 | 8 | | | | | • | |
| 345 | | | | | | | | | | | | | | | | | | | 2 | 8 | | | 8 | 2 | 8 | | | | | ۰ | |
| Links | | | | | | | | | | | | | | | | | | | 8 | 2 | | | 8 | 2 | 8 | | | | | • | |
| Link3 | | | | | | | | | | | | | | | | | | | 2 | 8 | | | \$ | 8 | 8 | | | | | • | |
| Unit 3 | | | | | | | | | | | | | | | | | | | 8 | 8 | | | 8 | 8 | 8 | | | | | • | |
| Lant | | | | | | | | | | | | | | | | | | | 91,129,880 | 894,716 | | | \$48,510,088 | 697 600 | 6212,708 | | | | | 2,821,796,823 | |
| 2001 Total Plant, Costa | • | 69,459,453 | 807'ZZ\$ | 8 | 2 | 8 | 100,000,11 | | 550,034 | | 199,157,19 | 6148,151 6148,151 862,001 | 177,000,134 | 955,6853 | 00, | 22/9023 | 6281,973 | Depritude | | | TRENTS | ***** | | | | \$1,419,853 | | 88 | 2 | | |
| | Olimect Labor: Adjusted for local tabor requirements yes=1, no=0 | | Operator's Fees & Services: | Bonus Payments: | Home Office Technical Support: Percer of Annal Labor. | Werrenty Support: Percen of Amual Laton. | Planned Maintenance: | Goder Thomas (Asign Tuches Octops searmed in 1985) AP Capperent Feedware Systems GOD9 | Unplemed Matrianance: (Ds of Person Matrianance: | Planned Opers Parts: | Boter. | Turbhe: APC Equipment Featherine System: | BOS | Unplanted Spirre Parts: 10% of Planted Spirre: | Employee Trevel & Relocation: | Other Employee Expentee, Fees and Services | Office/Administration expenses: | Contract Beriden: Persen of Anual Libor. | Ach Disposed: | Startes Puel: | Consumples: | Chemicula: | Coet | Limestone: | Purchased Power. | Equipment Rental: | Total Operating Budget Com4 | Tipots Insurance Nex Included! Building Data Base | Tetal Operations Costs Instading Texas and Insuranse: | American Contract (NA 6200) | Cest of Generation: |

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| | | 507 | | | |
|--|-----------------------------|-----------------------|----------------------|--------------|-------------------------------------|
| Dreet Labor: | Placed Coetts 89,459,453 | Variable Costs | Major Maintananee | 3 | |
| Operator's Fees & Services: | 60° 1223 | | | | |
| Bonus Psyments: | 8 | | | | |
| Home Office Technical Bupport: | 2 | | | | |
| Warranty Support: | 8 | | | | |
| Plarmed Mathtenance: | | | 10,00,10 | | |
| Power Marketing & Resource Management | 8 | | | | |
| Unpierred Maintentence: | | | ppr/04.99 | | |
| Planned Spare Parts: | | | | | |
| rjen: | | 11,731,881 | | | |
| Turbine: APC Equipment: | | 101,6519 | | | |
| oderker Bystam: DP: | | 178.201 12,886,394 | | | |
| Unplanned Spare Parte: | | 65,6951 | | | |
| Employee Travel & Relocation: | 002, 888 | | | | |
| Other Employee Expenses, Fees and Bervices | 27/ 922 | | | | |
| Office/Administration expenses: | £19'19C\$ | | | | ٠ |
| Contract Berricos: | metuded | | • | | |
| Arh Oispestil: | | 91,129,980 | | | |
| Statiup Fuel: | | 114,716 | | | |
| Consumables: | | TELETO | | | |
| Chemicals: | | 9453,696 | | | |
| Cost: | | | | 620,018,844 | |
| Linestone: | | 637/6563 | | | |
| Purchased Power: | | 6212,706 | | | |
| Equipment Rental: | | 1,419,663 | | | |
| | • | | | | Total Generation <u>Cetts</u> |
| Total Operating Budget | 80/22/08 | 67.218,518 | 78.02M | \$44,510,000 | 100,007,000 |
| | Phod Contr | | | 2 | |

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General Information

CoatPerf031701

OOGUWEEL CHIEDE

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| Leadhinn Rise Lis Brion Tobia Oceani Cor of Further Estable Cordin Againment Hoto: (Collin Agai | d the deposit hower of vorm. (1) Allen on the control of the cont | Kind, Harryan M. Yun K. Kun | | Coal Picing - 1 | onne Basis | |
|--|--|--|--|-----------------------------------|--------------------------|------------------|
| Exchance Rate (V/LSS) | | | | 69.55 84.76 121.87% | 84.76 121.87% | 97.06 114.51% |
| Cost per Ton of Past (including trats.) | USS . Coal FOB mhw: \$15.00 Themporition: \$15.00 \$15 | 25 .00 \$/ban - FOB Mine .00 per tan .07 per tomre | B Mine | 99.9 | 7.55 113.36% | 8.61 114.04% |
| Disposal Cent per Ten of Ash'Scribber Stidge | COST | 17.00 MM Butston \$0.88 \$.MM Buts - F \$1.76 \$.MM Buts - I | MM Burston SMM Burs - FOB mhe SMM Burs - Delivered | Aeh - <u>Tonne Besis</u> 21,35 | asis 22.68 108.23% | 26.22 115.61% |
| Disposal Cost per Tor of AshYBorubber Studys LinesLanestone | SIC LIMESTONE 1 LIME 2 | \$10.00 2 | | | | |
| Coat per Ton of: | Line FOB Mine: \$0 Temportation: \$30 Total: \$15 | 00'58 00'08 00'08 | | | | |
| Start-up Fuel | Oil Sout Per Gallon (Delivered) \$0 | 2 \$0.80 | | | | |

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| FIGORE- |
| |

| Operator Related Information: | | • |
|-------------------------------|-------|-----|
| Overstor Faa | | 3 |
| | | 8 |
| Operator Bonus | | 5 |
| Home Office Tech Support | | 3 3 |
| Whenexity Support | | 2 |
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| Name of strict | 1.1 4 | • |
| Unterfrontunion Facility | | , ; |
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NG Cost Per Therm Trensportstion:

| Wage Serve | | | | | | | | | | |
|---|---|---------------|--------------|----------|--------------|-------------|-----------|------------|----|-----------|
| Eacility Equipment Information: | | | | | | ! | | | 9 | |
| Type Of Botler Equipment (1 or 2.) 1 2 | PLLVERIZED COAL FLUDIZED BED | <u>Vnir.1</u> | Vait 2 | <u> </u> | 120ft 4 | <u>2107</u> | Turk 1 | THE - | | |
| Urit Design / Commercial Operation Date Number of Bolten | | & ← | გ | g - | S - | 요~ | g - | <u>۶</u> - | 8- | |
| Flyssh Control System | 1 ESP 2 BAGHOUSE 3 BAGHOUS PLUS GORETEX BAGS | 2 | - | n | - | - | - | - | - | |
| 802 Control System: | 1 NO 802 EQUIPMENT 2 DRY INJECTION 3 SCRUBBER | | - | 8 | - | - | - | - | - | |
| Mroury Control Bystem | 1 NO HG CONTROL 2 ACTIVATED CARBON | 8 | - | - | - | - | - | - | - | |
| NOx Control System | | | | | | | | | | 3/17/2001 |

| | 1 LOW NOX BURNERS 2 SINCR 3 SCR | n | - | 7 | - | - | · • | _ | | | |
|--|---|---|------------|--------|--------------|--------|--------------|----------------|---------------------------------------|---|-------------|
| Cooling Tower: (Yes=1; Nb=0) | | - | - | - | - | - | _ | - | _ | | |
| Oyele: | 1 ACTUAL CYCLE VALLĘS 2 STANDARD 1800 PSIG (NONREPEAT) 3 STANDARD 2400 PSIG (5% OP) | - | - | - | - | - | - | - | _ | | |
| Superharter: | 4 tuqni) (WM 000 ∰ 000,080,1) | (Input Actusi Flow Velue If Available) | | | | | | | | | |
| | Flow without QP heat loss Equit. QF Steam Increase Total Steam Flow Outlet Pressure Outlet Temperature | 2,588,331 0 2,588,331 2,400 1,000 0 | 00000 | | 0000 | 0000 | 0000 | 0000 | o o beta | | ····· |
| Rethater: | -3,770,000 @ 800 MW Flow without OF heat loss Equiv. OF Steen Increase Total Steen Flow Intel Pressure (pdg) Intel Pressure (pdg) Outlet Pressure (Pd) Outlet Tempersture (F) | 2,254,685 0 0 2,254,685 539 660 574 574 1,000 | 0000000 | 000000 | 000000 | 000000 | 0000000 | 5 G1 C D C C C | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| Feedwater Temperature | | 490 | 0 | 0 | | 0 | 0 | 0 | 0 | | |
| Sact Temperature Ambien Temperature | 1 ACTUAL 2 STANDARD | 1 275 80 | 00 | o o | | 00 | 00 | 00 | | | |
| Spares Coat Fuel Loss dump Hending: | 802 Removal | 968 | % % | 88 | \$\$ | £ £ | *50 | % % | 8 8 | · | |

| 154 | F/6URE-16 | |
|---|--|---|
| | Natural Gas (Gas analysis is entered on tuels page) Oxygen | Excess At: 10.00% 1+N: 0 ExuCF(1) LHX: 0 ExuCF(1) Note 1: (88F,30*N/G) |
| ~ 10 m 4 m | Sub- Rituminous 730 60% 5.50% 4.330% 0.70% 0.01% 0.01% 11.80% 100.30% | 20.00% 8.000 Burlb 18.28 Galtorne 33.71% 30.44% 0.85% |
| ACTUAL AVALYBB STANDARD BITUMINOUS STANDARD BLUBITUMINOUS STANDARD LIGATE (TEXAS) BUCHINI GIANTE (TEXAS) SANDARD INTEAL GAS | Selected Fush Input: Litinate Available Hobstone Ash Cerbon Hydrogen Officine Safur | Excess At: HAY: LAY: Dodmete: Fixed Carbon (differentia) Vossibs Matter |
| Evera information; | Fuel Antiyela: | |

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|----------------------------|-----|--|-------|
| | | | |
| 20.85% 5.45% 100.00% | | 20,000 200,000 1,866,000 | 0.25% |
| Monture Aeth | | Volume - Cu. Pt.: Surinoo - Sq. Pt. (EPRS - Up Nose): N+1PA: | |

rnace Voluma Design Parameters

F16URE-17

(Der/031701

Location: USA

Escalation

4.00% 1.070

| | Number of Equipment |
|---------------------|-------------------------------|
| Unit | Gross Output |
| Development Costs | |
| Inter | nei Costs |
| Third | Party Costs |
| Proje | ct Counsel |
| Dave | dopment Configency |
| Land | Options |
| Pre ! | NTP EPC Cost |
| Total Development C | costs |
| | Development Fee |
| | Mine Acquisition Costs |
| | Site Purchase |
| Development Fe | n/Mine Acquisition/Site |
| Plant | |
| • | Bollers |
| | Headers |
| | Heating Surface |
| | Waterwall |
| | Steel |
| | Firing Equipment |
| | Misc, Equipment |
| | |
| | Turbine Generators |
| | BAGHOUSE |
| | SCRUBBER |
| | ACTIVATED CARBON |
| | SCR |
| | Circulating Water System |
| | Electrical System & Equipment |
| | Fuel Storage & Handling |
| | Infrastructure |
| | Water Treatment |
| | Other |
| | Misc. Insurance |
| Fixtures | |
| | Bollers - not plant related |
| | Chimneya |
| | Cooling Towers |
| | Coat Burkers |
| Land & Buildings | Com pursus |
| CENS & CHUICHIGA | Buildings |
| | culongs |
| Other | EPC Target |
| T-1-1 FDC C1 | |
| Total EPC Costs | • |
| Transmission F | ees During Construction |
| Waste Water Pi | peline |
| | Management Services During |
| • | and A Administration |

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| n Fees During Construction | |
|--------------------------------------|---|
| r Pipeline | |
| Management Services During Construct | k |
| General & Administrative | |
| Professional Services | |
| Engineering Consultants | |
| Utildes | |
| Owner's Mobilization G&A | |
| Other Owner's Costs | |
| Management Services Fee | |
| Total Owner's Costs | |
| O&M Mobilization | |
| Labor | |
| Fee | |
| G&A | |
| Plant Consumables | |
| Equipment | |
| Owners G&A | |
| Infrastructure Costs | |
| Roads | |
| Community infrastructure | |
| Mine Industrial Area | |
| Construction Comp | |
| Water Management | |
| Total Infrastructure Costs | |
| Owner's Contingency | |
| Power Plant EPC Costs | |
| Transmission Costs | |

| 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | mil 8 - Total Feelilly 0 173 174 |
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| \$11.833 \$0.00 \$0.0 | 0.00 512.225.70 0.00 51.977.85 0.00 50.00 0.00 50.00 0.00 51.072.11 0.00 7 526.94.24 0.00 7 59.657.13 0.00 7 50.00 0.00 7 51.072.11 |
| \$1.576 \$0.00 | 0.00 \$1.577.89 0.00 \$0.00 0.00 \$980.00 0.00 \$1.972.11 0.00 \$23,894.24 0.00 \$3,057.13 0.00 \$3,057.13 0.00 \$3,057.13 |
| \$666 \$0.00 \$ | 0.00 \$588.06 0.00 \$11372.11 0.00 \$238.694.24 0.00 \$39.057.13 0.00 \$50.00 \$12.079.11 |
| \$28,654 \$ \$0.00 \$0.00 \$10.00 \$ | 0.00 \$28,694.24 0.00 \$9,057.15 0.00 \$1,00 \$1,00 \$1,00 \$12,076.17 |
| | 50.00 \$0.00 F 0.00 \$12.076.17 |
| | |
| \$12 076 | |
| | 9.00 (0.30) S. 100 (0.7) S. 10 (0.7) |
| \$6,307, \$6, \$50, \$50, \$50, \$50, \$50, \$50, \$50, \$50 | 50 50 |
| \$12,1000 \$0 \$0 \$0 \$0 \$0 | 80 80 |
| \$10.555 | \$0 \$0 |
| \$88,801\$ \$0.00 \$ \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 | \$6,00 \$88,800.85 |
| \$538,324 \$60 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5 | \$0 \$38,324.29 \$0 \$7,459.07 |
| \$17.253 \$00 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$0 \$37,252,60 \$0,00 \$419,07 \$0 \$37,252,60 |
| \$1.775.85 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 | \$0.00 \$1.275.65 \$0.00 \$23,330.45 |
| \$17,662,707 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 | \$0.00 \$17.862.70 \$ \$0.00 \$0.00 \$ |
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| | |
| \$15,382,48 \$50.00 \$50.0 | \$0.00 \$ \$15,382.48 \$0.00 \$ \$2,760.96 |
| \$1,972.11 \$2.00 \$ \$0.0 | \$0.00 \$1.972.11 \$0.00 \$0.00 \$0.00 \$0.00 |
| | \$0.00 \$0.00 \$4: \$2.218.83 \$0.00 \$1.725.80 |
| | \$0.00 \$24,059.78 |
| \$6,000.56 \$10.00 \$50.00 \$1,00 \$50.00 \$50.00 \$50.00 \$50.00 | \$0.00 \$6,606.58 |
| \$1,015,84 m. \$0.00 | \$0.00 \$1,015.64 \$0.00 \$374.70 |
| \$1,356,818* \$0.00 \$0.00 \$50.00 \$0.00 \$750.00 \$750.00 \$1,5 | \$0.00 \$1,356.81 \$0.00 \$5,423.31 |
| \$19,893,35 \$10,00 \$20,00 \$20,00 \$20,00 \$0,00 \$0,00 \$0,00 \$0,00 \$1 | \$0.00 \$9.663.35 \$0.00 \$24,440.39 |
| \$0.53.15 \$0.00 \$0. | \$0.00 \$8,283.15 - \$0.00 \$1,054.09 |
| \$5,180,74 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 | \$0.00 \$5,180.74 \$0.00 \$0.00 |
| \$6000 \$5000\$ | \$0.00 \$ \$1.175.37 \$0.00 \$ \$15,674.35 |
| | |
| \$40.204.67 to \$50.00 \$5 | \$0.00 \$40,204.67 \$0.00 \$0.00 |
| \$5.00 | \$0.00 \$0.00 \$1.267.44 |
| \$41,772.10) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 | \$0.00 \$1.77.10 ° |
| \$5,006 37-22 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 | \$0.00 36.409.37 \$0.00 & \$8.281.48 |
| \$5.00 \$0.00 | \$0.00 \$14,790.85 |

Unit Gross Output Total Cost \$/kW Installed

| | 77. | 3.1 | Init 1 | | 140 | 125U | nit 2 | 1.35 | 2437 | 3 Uni | 13:43 | 238 3 | Sec. 25 | Unit 4 | (A) | | Unit : | VX. | O#47. | Unit (| 100 | 654. | Unit | 74603 | 200 | S) Uni | 5/4 T | 15:10 | TOT LOCK | ITY (III |
|----|-------|------|--------|-------|-------|--------|-------|------|------|--------|-------|--------|---------|---------|------|---------|--------|------|-------|--------|--------|------|--------|---------|-----|--------|---------|--------|----------|----------|
| ا | 20.75 | 10.3 | 373 | F. 16 | | 1.45 | 0.4 | 715 | 13.5 | 200 | | C (t o | 90.35 | 0.4 | Post | Cost | €± 0 . | | .23 | 1003 | S 12.4 | 529 | o | 455 | 344 | 1940 | 2.72 3 | 40.000 | 4373 | ML. |
| | Ç 70 | | A7 83 | 3.85/ | V 102 | Set 9. | \$0.7 | | | . T. S | 277 | | 77.3 | -507 | | 3132 | \$0 | 8000 | 200 | - SOE | 25725 | 2.33 | 5° \$0 | N 13 | 7 7 | 73 S | 1000年 | 31,271 | 587,823 | 5.00 |
| 4 | | - | 1 47 | | 3 3 | 0.74 | 50. | nu- | - | 1 | 37. V | | 7 | * \$0.8 | 84.5 | · 25 to | O\$0. | Y | 24.42 | . /50 | 75.43F | 200 | ¥ \$0 | A 1.632 | | 47.154 | 3 182.5 | 12.25 | \$197 | Burk. |
| u۱ | | 14. | 1,000 | ***** | | | | 1.74 | | | | | | | | 17.00 | | | | ***** | | | | | | | | | | |

\$4,100 \$49 \$142 10 Year Average \$117 \$58 \$479 \$185 \$68 \$71 \$71 \$153 \$153 \$680 Total: \$1,786 \$11,636 \$1,607 \$2,364 \$2,373 \$3,248 \$1,877 \$12,182 \$1,821 \$2,101 888 25.28 26.39 26.38 \$188 \$0 \$141 \$0 \$0 \$0 \$0 8888 3 3 3 8 8 E \$164 \$310 \$474 ន្ធន្ធន \$0 \$1.916 \$0 \$575 \$0 \$766 \$0 \$3,267 2 2 2 \$1,290 \$2,182 \$1,032 \$1,032 \$1,032 \$1,032 \$1,032 \$1,032 \$1,032 \$2,162 \$2,032 \$2 \$117 \$117 \$1 916 \$0 \$0 \$0 \$413 \$156 \$125 \$78 \$78 \$78 \$611 ននន 3333 \$117 \$117 \$0 \$0 \$156 \$606 \$0 \$164 \$0 \$310 \$174 3 5 8 8 8 5 5 S \$208 \$208 \$146 \$284 \$284 \$287 (3(3) 8888 \$0 \$117 \$0 \$117 \$0 \$0 \$208 \$0 \$139 \$0 85.09 85.00 878 878 884 884 884 3333 8578 813 813 25 SE \$1.28 \$4.39 \$5.30 \$5.00 \$1,918 \$575 \$786 \$3,267 (8 8 8 \$117 \$117 \$1.916 \$0 \$0 \$1.22 \$1.287 8 2 8 8 8 2 \$34 \$0 \$141 \$141 \$78 \$0 \$ub-Total \$564 8888 882 8882 Mar-91 Sub-Total Sub-Total Sub-Total Sub-Total Outs
Hours of Operation
(@wid of Operational Ivastr)
Operational Yes Belts/Crushers
Casing/Refractory/Ductwork
Chemical Cleaning I&C
Power Block
Ash Handling
General
Facilities/Infrastructure Turbine (insp/overaul)
Turbine Valves
Generator (inspections) Waterwall
Heating Surface
Grates
Pulvertzers
Air Pre-Heater
Fuel Handling MB Resin Carbon Filters Gravity Filters Anion Resin Cation Resin BAGHOUSE SCRUBBER Electrical

File Name: CoalPerf031601 Project Name: Sample Project

Location: USA

Operator: To Be Determined

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Anton particular contra

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General Project Information:

File Name: CoalPerf031601
Project Name: Sample Project

Location: USA

Operator: To Be Determined

Operator's Fees & Services:

| Operator Fee | \$0 |
|------------------------|-----------------|
| Legal Services | \$139,805 |
| Construction Services | \$146,709 |
| Testing Services | <u>\$41,424</u> |
| Total Fees & Services | \$327,939 |
| Travel: | \$86,300 |
| Misc. Employee Expeses | \$286,422 |

F16URE- 20 310

File Name: CoalPerf031601
Project Name: Sample Project

Location: USA

Operator: To Be Determined

| Operawi | . To be betermined | |
|-----------|--------------------------------------|----------------|
| | | Sample Project |
| Consumabl | es: | |
| | Lubricating Oils: | \$379,977 |
| | Hydraulic Oil: | |
| | Solvents/Boiler Wash: | |
| | Cleaning Materials: | |
| | Welding Supplies: | |
| | Nuts/Bolts/Small Mechanical Parts: | |
| | Fuses/Light Bulb/small Elect. Parts: | |
| | Fittings/Small I&E Parts: | |
| | Gas & Oil: | |

Total Oils and Lubricants \$379,977

Chemicals:

| Boiler Water. | 62.27% | \$285,603 |
|------------------|--------|-----------|
| Cooling Water: | 36.38% | \$166,889 |
| Demin, Regen. | 1.35% | \$6,194 |
| Fuel Oil: | | |
| Sanitary: | | |
| NOx | | |
| Aqueous Ammonia: | | |

Total Chemicals: \$458,686

Gases:

| Nitrogen: | \$0 |
|---------------------------|------------|
| Hydrogen: | \$0 |
| Oxygen/Acetylene | \$0 |
| NOx, CO, SO2, O2 Span Gas | <u>\$0</u> |

Total Gases: \$0

Office Supplies & Services:

| les & Services: | |
|-------------------------------|--------------------|
| Postage, Overnight Mail, etc: | \$17,104 |
| Freight: | \$0 |
| Telephone | \$41,038 |
| Utilities | \$9,263 |
| Dues, Subscriptions | \$70,914 |
| Advertising- | \$0 |
| Carnera/ Film/Photo Supplies: | \$0 |
| Copiet/Paper/Service: | \$0 |
| Office Supplies: | \$40,194 |
| General Supplies: | \$0 |
| Audio Visual Equipment: | \$0 |
| Portable Radios/Service: | \$0 |
| Drinking Water: | \$0 |
| Safety Supplies: | \$0 |
| Safety/Environmental Insp: | . \$0 |
| Instrument Service/Repair: | \$0 |
| Vehicles/Service/Fuel: | \$165 ,28 4 |
| Insurance Autos/Trucks | \$0 |
| Lift Trucks/Service: | \$0 |
| Small Tools: | \$0 |
| Software for Computers: | \$271 |
| Computer Hardware: | \$0 |
| Building Maintenance: | \$4,594 |
| Janitorial Supplies: | \$0 |
| Misc. Expenses: | \$13,310 |
| Uniforms: | \$0 |
| | |

Total Supplies and Services:

\$361,973

\$0

Office Furnature/Rent.

| deat extracted | |
|----------------------------|-----|
| Office Rent: | \$0 |
| Desk/Chairs/etc: | \$0 |
| Lab/Shop/Cntrl. Rm. Equip: | \$0 |
| Computer Lease: | \$0 |
| | - |

Total Office Furnature:

FIGURE - 21 320

File Name: CoalPerf031601
Project Name: Sample Project

Location: USA

Operator: To Be Determined

Rentals/Lease:

Tools: \$15,304
Equipment: \$261,694
Office Equipment \$57,431

Railcar: \$1,066,871

Lease Auto/Tucks \$17,253 Total Rentals: \$1,418,553

Planned Spare Parts:

 Boiler:
 \$1,731,661

 Turbine:
 \$766,330

 APC Equipment:
 \$149,151

 Feedwater System:
 \$62,661

 BOP:
 \$176,591

Total Spare Parts:

FIGURE-22 340

\$2,886,394

File Name: CoalPerf031601 Project Name: Sample Project

Location: USA

Operator: To Be Determined

Proximate Analysis:

Information used in conjunction with the coal classification figure:

HHV (Btuff)

톲 Protect Cost Classification:

3
Coal Type: Sub(Calculated) Bituminous
OK Hardgrove Grind. Index:

Ash Mineral Anabasis:

Suba - SO2
Aumin - JO20
Tana - TO2
Ferric Code - Ferric Code - Ferric Code - Ferrico
Lina - Caro
Lina - Caro
Lina - Caro
Registral - MgO
Potatalm Oxide - KZO
Sodam Oxide - NGO
Sodam Oxide - NGO
Phesphorus Pentradia - PCO Total

Ash Fusion Temperatures (Deg. F) Initial Deformation-Reducing (Input Data) Initial Deformation-Oxidizing (Input Data)

PARR Pormuta Reletionships:

BASE/ACID RATIO: 0.7041
(A runge of 4-.7 0.7041
costs and reside in low set-full-lifty temps)

IRON/CALCIUM RATIO: 0.28 (3-0.3 indeathe () (10.28 lowers the fusibility temp. of the seh.)

IROWDOLOMITE RATIO: 0.21

SILICA/ALUMINA RATIO: (above 2.8 & b

FIGURE- 23

3

OSEBEEL OFIECT

*

| 6174 Per 8174 Per 624.B.(2) 670.B.(2) 670.B.(2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 70 . 30 | , , |
|--|---------------------------|---------------------------------------|---|---|--|-----------|------------|----------------------|-----------|-------|--------------------|----------------|----------------------|-------------|--------------|--------------------------------|----------------|------------|-----------------------|------------|----------------------------------|-------------------------------------|---------------------|----------------|----------------|-----------------------|-----------------------|------------|---|
| Lbs Dry Afr BOLVIOI BO | | | | | | | | | | | | | | | | | | | | | | | | | | | | • | 1 |
| to AP Request for Combustion Per LE Fuel 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | _ | | | | | | | | | | | _ | | | | | | | | | | |
| Lb Constituent Per Lb Estal Per Lb Estal Per Lb Constituent Per Lb Stal Per Lb | | | | | | | Comp. Bitu | (60F, 14. / Upsis) | 88 | 88 | 90 | 8 | 88 | 88 | 88 | 88. | a 8 | Comp. Bits | 69.7 80.0 80.0 | 88 | 88 | 88 | 383 | 88 | 88 | 88 | | | |
| 1 sain Model Andrews (1997) | • | | 56708 7147 | 426.553862 #DIV/IOI | | ¥ | Comp. Bits | (68F, 14. 70psia) | 88 | 8 8 | 88 | 8.0 | 8.8 | 88 | 8.6 | 88 | 88 | Comp. Bit | (68F,30*WG) 0.00 | 8 8 8 8 | 88 | 38 | 88 | 88 | 888 | 88 | | | |
| Molecular YVelght 72.00 0.00 28.00 2.02 2.02 16.03 16. | Molecutar Weight of Fuel: | | | | | | Btu/CF(1) | | | | | | | | | | 4661.236 HN | | | | | | 88 5 84.6 8.6 | | | • | | and Carden | |
| Percent by vo 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% | Molecutar V | • | 372.8 32.26 405.06 | 0 #DIV/OF #DIV/OF #DIV/OF | rersion Analysis: | | | Percent by vol. | 9000 | 0.00% | 0.00% | %00.0 %00.0 | %00.0 | 9.00.0 | 9,000 | %00:0 %00:0 | 0.00% | | Percent by vol. | 9000 | 0.00% | \$00.0 \$00.0 | 9.00% 9.00% | %00.0 %00.0 | 900.0 900.0 | 0.00 %000 %000 | | | HINDOOK TUT MEU n Page 4-29 |
| Natural Gas Analysis: Natural Gas Analysis: Oxivers of the constitution of the const | | Elve Gra Welght figns/Cu. Ft.(gss) | GAN to GT (MMBTU) GAN to Duck Burners Total GAN: | HAV of Fuel (BTUFOL, FL.) Co., Fl., of Gas Fred / Hr Lib., of Gas Fred / Hr Lib., of Alv / Hr Total Gas Flow © O%EA | Natural Gas Heating Value Conversion Analysis: | 17-Mar-01 | | Natural Gas Anshris: | Oxygen O2 | Argon | Carbon Dloodde CO2 | Nirogen NZ | Hydrogen Suffide H28 | Methane QH4 | Provana CONS | Butane CAH10 Destrone CEH12 | Hexane Cont. | 1 | Natural Gas Analysis: | Argon | Carbon Dioxide CO2 Narogen N2 | Hydrogen H2 Lectures Suffice H2S | Methane CHA | Propare COHB | Pertane CSH12 | Hexans CSH14 Total | HHV/LHV Ratio #DIV/01 | Notes: | (1) Source Mark's standard handook for mediatiness Engages. |
| Projec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FIGURE. 24

Je J

tons of Offsets Regulred 10,368 #NUM! #NUM! #NUM!

802 (tons) 27,481 enumi enumi

Suffur (tens) 13,745 enumi enumi enumi

MMBtu 27,489,039 FNUMI FNUMI FNUMI

Tens Fired 1,647,002 8NUM! ENUM! #NUM!

8.8 0.85% 0.85% 0.85%

8,500 8,500 8,500

Unit 2 Unit 3

FIGURE . 25

| | | Molecular Welghts | relative relative | | | | | | | |
|-----------|----------------|------------------------------------|----------------------------------|-------------------------------|---|--------------------------------|--------------------------------|----------------------------|--|--|
| | | ဖဝ | 15.084 | ~ 0 | 32.084 31.699 64.063 | | 50.05% | | | |
| | 80° Offset 0 | 80² Offset Cost Assumption | \$150.00 \$/Ten | | | | | | | |
| | | | | @ 1.2 lbs 80,/million BTU* | 4 | | | | | |
| | Average BTU/Ib | Average Percent Suffer (8 %) | Average Ash Content (%) | In Compliance (YA) * | In Compliance 9 % allowed for Lbs 60 ³ /AfM (Y/M)* Compliance Btu | lbe 80 ³ /MM Btu | 802 Reduction Efficiency | lbe s <i>O*/M</i> M Btu | Required Offsets Tons 80'/Ton Coal Fired | Cost of Offests \$/Ton of Coal Fire |
| Railev | 12.950 | 2.14% | 7.50% | z | 0.778% | 33 | 10.00% | 2.97 | 0.038482 | \$5.768 |
| Colonial | 12,800 | 0.93% | 8.86% | z | 0.789% | 1.45 | 0.00% | 1.45 | 0.018560 | \$2.784 |
| Whitetail | 12,800 | 1.60% | 8.25% | z | 0.769% | 2.5 | 9,000 | 2.50 | 0.032000 | 24 .800 |
| Jufana | 12,900 | 1.29% | 8.75% | z | 0.775% | ~ | 0.00% | 2.00 | 0.025800 | \$3.870 |
| Sawmill | 12,900 | 1.29% | 8.75% | 2 | 0.775% | 7 | 0.00% | 5.0 | 0.025800 | \$3.870 |
| Sentenial | 12,900 | 1.29% | 0.75% | z | 0.775% | ~ | 0.00% | 5.00 | 0.025800 | \$3.870 |

| 2.17 0.018445 \$2.767 | 41907.04 |
|-----------------------|----------|
| 0.00% | |
| 2.17 | |
| 0.511% | |
| z | |
| 5.50% | |
| 0.92% | |
| 8,500 | |
| | |
| | |
| | |

1,45 0.018560

%00.0

| Provided Information | # # # # | Project Info. Check LHM 1 8,691 2 8,691 8 8,691 | | Tons First 785,000 785,000 22,294,000 | BBU 12,828 12,828 12,881 38,718 | 902 flore) 11,500 13,510 12,220 37,230 | 8 (tons) 6,766 6,762 8,115 16,634 | 2.8 0.78% 0.88% 0.81% | |
|----------------------|------------------------------------|---|---|---|---|--|---|--------------------------------------|---|
| <u></u> | Pro Cult 1 | Project Info. Check HMX 1 k,881 2 k,681 | | Tons First 2,272,000 2,338,000 4,810,000 | 28 th 34 656 28 284 77 940 | 892 (tens) 11,600 13,510 25,010 | 8.ftsna) 6,756 8.752 12,518 | %87 0.20% 0.20% | |
| Calcutat | Calcutated Information: sct Unit 1 | Bub- Bituminous 8.500 8.600 | 8 % % % % % % % % % % % % % % % % % % % | Tons Fired 1,617,002 #NUM! | MMBtu 27,489,039 APUMI | Suffur Literal 13,745 enumi enumi | 802 (tons) 27 / 481 61/0/M! | #SOZIMMBtu 2.00 #NUMI #NUMI | SO2 (1.2#MMBtu) Allowable Tons 5 16,433 seumi |

Southern Fuels

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O. R. M. Labor, Purchased Power And Fuel Calculations

| oreot roject | | ermired | | | BABE NDEX | PROJECT MODEL PROJECT ADALSTINENT 0 07 147 147 148 08.7 154 159 059 | |
|---|---------------|----------------------------|---|----------------------------|---------------------------|--|--------------|
| GENERAL PROJECT RFORMATION: File Name: Coeffuntioned Project Name: Bemple Project | Location: UBA | Operator: To Be Determined | AMILA, NETTON RATE, DOTERNOCH A 10% AMILA, NETTON RATE, DAGE DATE 2244940 ESCALATON DATE (174440) | Part Year Est. Factor 1.00 | the first people with the | Being Updated Zocoseneusesteidertkraten Coveroar Austrient NATERAL UBOR | e sa paradir |

| | | ERMOSS |
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| | ANNIAL | Wege with O.T. per Employee |
| | | ANNUAL WAGE |
| | | OVERTIME |
| | | OVERT |
| | Internetice | HOURLY |
| | <u>HFTB</u> Operations and Mai Administration | NUMBER ER OPEMPLOYEES |
| | UMBERGE 4 | KUMBER |
| | - | KARES |
| CAPACITY (MW): | BYSTEM: POWER BLOCK | |
| Part of the state | | LABOR BUMBARY (ADJUSTED FOR LOCATION) |
| | | POWER BLOCK MARES OF BHTS 4 Operation and Maintenance 1 Apertures of Mainte |

Exchange Rate.

| | DISTRICT COLOR | | 4 | 4 Operations and Maintanance | arance arance | | | | | | | | |
|--|--|-----------------|------------|------------------------------|------------------|----------------|----------------|-------------------|---|--------------------|----------------------------|---------------------------|----------------------------|
| | | | - | Administration | | | | | ANNAL | | ANCA | | |
| | | | | MANAGER | | | | ANNUAL | Wage with | | Frinces per | ANNUAL | |
| ABOR SUMMARY (ADJUSTED FOR LOCATION) | FOR LOCATION) | N. BABER | KUMBER | OF EMPLOYEES | HOURLY | OVERTIME | | WAGE | C.I. per Employee | ERMSES | Employee | LABOR COST | 108.321 |
| ACCENT TRATIVE | | PERSHET | OF BHETTED | PER POSITION | W S | CES TAKE | 100 | \$100,944 | H6'0018 | 404 | 5141,321 | \$122.478 | 122,478 |
| | PLANT MANAGER | - | | | 2 | ۰ | 10.01 | \$87,485 | \$81,485 | 5 | 201100 | \$113,057 | 113,057 |
| | DPERATIONS MANAGER | - | - | | 4 2 | | 10.05 40.01 | \$30,755 | \$20,756 | Ş | 610703 | \$103,636 | 103,630 |
| | MAINTENANCE MANAGER | - • | - • | - - | ž | ۰ | 40,0% | \$74,025 | \$74,025 | 1 | 803 903 | \$54,559 | 600 |
| | PLANTREBULTS MANAGER | - | | - - | 61.003 | - | 10.0% | E . | 740 187 | | 250.357 | \$120,715 | 120,715 |
| | OFFICE MANAGER | - | | ٠. | 200 | - | 10.0% | 530,193 | 55,112 | Ž, | 27.77 | 594.847 | Z Z |
| | ACCOUNTANT | ~ | | ۰. | 644 | | 10.01 | \$30,705 | \$33,874 | \$ 3 | 553 | \$120,337 | 120,337 |
| | ACCOUNT CLERK | 7 | - | • | 4414 | - | 10.0% | \$27,995 | 587,053 | Ş | i | | • |
| | BECRETARY | - | - | • | 2 | | | | | į | 675.471 | \$150,743 | 150,743 |
| | | | • | • | ž | • | \$0.0\$ | 163,637 | \$53,637 | į | 547 424 | \$379.389 | 370.389 |
| | PLANTREBULTS ENGNEER | | • • | | \$14.81 | • | 10.01 | \$30,795 | \$33,074 | | ! | | |
| | STOCK CLERK | • | | | | | | | | | | | 100,000 |
| | | | | ឆ | | | | | | U | Total Admin, Labor | \$1420.162 | 1,420,194 |
| | 1000 | | | | | | | | | | | £ | |
| | 40040 | | | | | | | | AVAUAL | | Wann with | : | |
| | | | | 03094 | | | | | Wagewith | | Frings not | | |
| | | | | | | OVERTIME | | ANNIA | 10.1. M | Sacreta | Employee | ANNUA COST | |
| | | NGREK STORES | S BUREAU | NOUS DE BOSTON | WAGE | (YES=1/NO=0) | OVERTIME | WAGE | EUDOWARD TO | 404 | \$113,899 | \$455,997 | 155,007 |
| OPERATONS: | | | | | | - | ģ | \$74,025 | 20.473 | Ş | \$103,536 | \$14,542 | 24 24 |
| | SHIFT BUPERVISOR | | • | - | ¥ | - | ğ | 207,730 | 50,000 | 40% | \$80,272 | \$373,089 | 313,000 |
| | CONTROL ROOM OPERATOR | | • | • | ž | - | ě | 000,000 | 20,000 | Ş | \$103,636 | \$829,085 | CD(107) |
| | CHEMBT | - (| • | • | ž | - | <u>\$</u> | 267,786 | 20,774 | *64 | 086,63\$ | \$275,019 | ALK'C/Z |
| | APC EQUP, OPERATOR | • | • | • | 27.53 | - | Ę | 74,782 | 77.074 | Ş | \$56,046 | \$224.185 | 6 |
| | ROVER | | • | • | \$17.50 | - | É | 838 388 88 888 | 5000 | \$ 04 | \$56,046 | \$224,185 | 231.P22 |
| | SWEEPEROPERATOR | - | • | 41 | \$17.50 | - | 6 | PSC,004 | | | | | |
| | PROKI-END LUMBER | | | g | | | | | | | 1 | 0.440 | 613.879 |
| The state of the s | | | | | | , | į | CA7 188 | \$73,907 | 404 | \$103,470 | 200000 | 310.409 |
| MANIERANCE | SUPPLIES THE STATE OF THE STATE | - | 4 | • | 22 | | į | \$50.391 | \$55,430 | 40% | 200,778 | 674.479 | 241.429 |
| | MECHANICS HELPERS | - | • | - | 77.73 | - • | į | \$39.193 | \$43,112 | \$ | 100,000 | C487 859 | 482,859 |
| | TRICK DRIVERS | - | 4 | • | 200 | - - | É | 539,193 | \$43,112 | €: | 500,50 | 597 758 | 827,758 |
| | ASHAPC SLUDGE MOVER | 7 | 4 | | 20.00 | | 6 | \$67,158 | \$73,907 | * 6 | 0.00 | | |
| | APC MECHANICS | 7 | • | 3 4 5 | 20.40 | | | | | | | | |
| | | | | 4 | | | | : | 100 | 8 | \$103,470 | \$413,879 | 413,879 |
| | | - | • | • | \$32.30 | - | 101 | \$67,188 | 275,500 | 10 | \$17,802 | \$310,400 | 310,459 |
| | ELECTRICIANS | | • | - | \$24.23 | - | Š | 190784 | 100173 | 26 | \$103,470 | £13.879 | 413,576 |
| | ELECTRICANS HELPENS | - • | 4 | - | \$32.30 | - | 5 | 901,104 | 473 007 | *6 | \$103,470 | 2077283 | en (* 170 |
| | NSTRUMENT IECHS | . ~ | • | — | \$33.30 | - | 5 | 201,100 | | | | 42,000,00 | 7 020 761 |
| | APC BC | | | a | | | | | _ | SUB-TOTAL | SUB-TOTAL OF M PLANT LABOR | 07 AV1/4 | 80 |
| | | | | | | | | | | | | \$87,880.78 85,085,782 | \$87,890,76 \$62,850.54 |
| | | | | | | | | | | | | | |
| | BUB-TOTAL | 8 | | | | | | • | | | Uncorrected | Corrected | |
| | | | | | | Adjuste | d for local | labor requireme | Adjusted for local labor requirements yes=1, no=0 | L L | C8 459 453 | \$8,459,453 | |
| | | | | | | | | | <u> </u> | | 400 | 5 | |
| | | | | | | | | | TOIA | TOTAL PLANT STAFF. | 701 | 900 | |
| | | | | | | | | € | AVERAGE COST PER EMPLOYEE: | ER EMPLOYEE: | \$82,936 | \$82,830 | |

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| Column | R. REPLACEMENT RESERVE V. MOG. EXPENSES | WATER & BEWER HEALTSTAN | NGJRANCE POLICES I ALL RE LEGISLA STATEMENT ST | ARCHASD PONER SELECTIVE OF LICETIVE DELICITY OF NOTE OF LICETIVE O | STARTLP FLEL. APPROXI GROSS IS GROSS IS AVENCE AVENCE HEAT NO | TOTAL M MATURAI OG. REGI | REAL ESTATE TAXES NOT INCL | WHEELING COST |
|--|---|---|--|--|---|--|----------------------------|---------------|
| (19935) (19935 | | COE | APPROXIM 1. ALL ROX POLEY (500 MLLDN) 1. BOARD SATE SATE SATE SATE SATE SATE SATE SATE | HOURS LOOP HOUSE LOOP | 6 ARMSTALS HAMBER OF THE HAMBER OF STATES THE YATE (NAZ. S DAYOLAB) GOAGS HEAT PROTICE UNIT (MLLUSH BTUB PER HOUR) HORTONE LENGTH O BUNGERS 15% of ORDILLUSH BTUB PER HOUR) HEAT NOTE STATE TO STATE (POURS) | \$0.20 per Th | NOT NOLLOGEO IN ESTRANTE | , |
| THE SHILLS SHELLS SHELL | | 2281 FF (1903) FF (1903) | (TON (ASS) (ASS) (ASS) (ASS) (BSSS) | | | 820,853 820,852 884,715 105,803 | | |
| EMILLY STALLY ST | | | | | | | | |
| で | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Unit 4 0 0 8 C.O.dil 8 F.O.D.dil 8 F.O.D.dil 9 F.O.D.dil | enuki | | |
| | | | | | | | | |
| | | | | | | | | |

F16URE-27

FIGURE. 28

This tab is being used to adjust variations in heat rate at partial loads in the performance section of the model

Flow Rates
Superheater Reheater Gen.-KW/
1,025,000 900,000 156,200

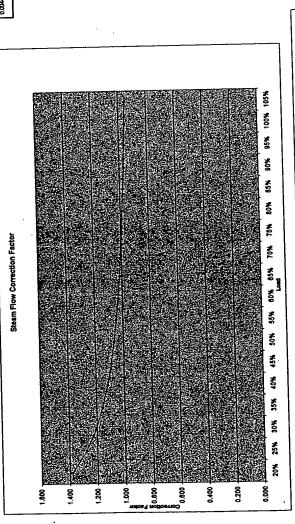
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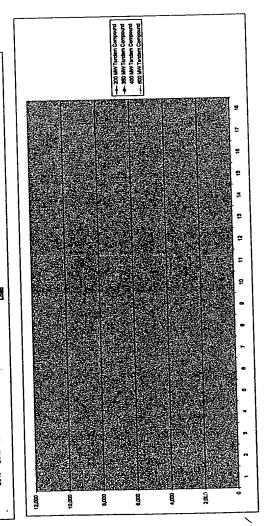
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Heat Rates

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F160RE-30

File Name: CoalPerf031801 Project Name: Sample Project

Location: USA

Operator: To Be Determined

| E Dispatch Information; For Reference Only | Reference | e Only | | | | | | | | | | | | | | | | | | - 2 | |
|--|------------|----------------|---------------|-----------|------------|-----------|----------|------------|-------------|-----------|------------|-------------|--|--------------|------------|------------|---|-----------|-------------------|----------|--|
| Average Annual Capacity. | 373 | | | | | | | | | | | | 2013 | 2014 | 2015 | 2018 | 7 | 3 C | 3 6 3 6 3 6 | 40 V | |
| | | 200 | | | | | | | _ | . * | | - | - 1 | Ŀ | | 163 | 13 | 2 | 2 | 344 | |
| Capacity Factor 8: | - 1 | - 1 | 71.30% 69.60% | | 0.00% | 00 10 m | A 7 7 RM | 73.44 87 | 87.78% - 87 | 87,78% 87 | 87.78% 88 | 88.03% 87 | | ≪1 | 2 | 36 | 4 | | 3 | ś | |
| Calculated Capacity Factor 89 53% | | 23 | 87.78 | 4 | | ğ | 1 | | 1 | ľ | | | ٠, | | | | | | | 98.8° | |
| Availability 90 | | | 80.00 | | | | | | | | | | | | | | | | | 92 | |
| Average Load 8: | 83.00% 8 | _ | 79.Z2% | | | | | | | | | | | | | | | | | 8 | |
| Hours in Year | | 8,780 | 9,784 | Α. | | | | | | | | | | | | - 2 | • | ິ | | 99 483 | |
| Hours Dispatched | 7,884 | 7,884 | 2,906 | . } | ò | . Ĝ | | - 22 | C | 6 | Ξ. | | اہ | ~ | - 6 | 59 093 7, | 20/0/2/ | 84.502.08 | 84.803.2.5 | 24.018 | |
| Annual Output 2,731,405 2,773,829 2,333,127 2,271,2 | 731,405 2, | 773,829 2 | 333,127 | 271,278 | 7 04/ 7077 | 207777 | ARA KING | 18 | 123 | 18 | 64,503.2,8 | 72,051/2,8 | 64,503.25 | 16,870,28 | 84 503 Z B | 0/2/100/2/ | 04,000,40 | 2000 | 2 | | |
| SCalculated Annual Output 23 | 921,796:2 | 615,870,2 | 884,503 | STC0'77'6 | 2004:00:2 | TON LANGE | | | | | | | | | | | | | | | |
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| Major Outages | | _ | | | | | | | | | | | | | | | | | | 2020 | 120 |
| | ; | | **** | 7006 | 2005 | 2008 | 2007 | 2008 | | | - | | | • | | - | | | | 74 | . 44 |
| Hours Available for Dispatched | S | 70 | 3 | 1 | 1 | ¥ | ¥ | ¥ | | | | | | | | | | | | 969 | 672 |
| Sanuary | 4 (| ŧ { | ŧ 6 | Ę | 2 | 872 | 672 | 969 | | | | ٠. | | | | | | | | 240 | 240 |
| February | 872 | 7/9 | 2 6 | 8 6 | 9 6 | 240 | 240 | 240 | | | | | | | | | | | | 20 | 22 |
| March | 249 | 3 | ₹ 8 | 2 6 | 9 5 | 5 62 | 720 | 720 | | | | | | | | | | | | ¥ | 744 |
| April | ន្ត | 22 | 720 | 3 | 3 ; | 3 7 | 27 | 744 | | | | | | | | | | | | 720 | 20 |
| May | 744 | ¥ | \$ | 4 | 4 | ŧ | Ę | £ 5 | | | | | | | | | | | | 747 | 744 |
| June | 720 | 82 | 8 | 22 | 8 | 3 ; | 3 ; | 744 | | | | | | | | | | | | 7 | 44 |
| July | 44 | 74 | \$ | 4 | 4 | ŧ | ŧ ; | | | | | | | | | | | | | 5 | 20 |
| August | 44 | 4 | 4 | 74 | 44 | 4 | £ | Ę | | | | | | | | | | | | 2 6 | 744 |
| Sertember | 22 | 22 | 720 | 22 | 22 | 22 | 2 | 8 6 | | | | | | | | | | | | - 44 | £ 5 |
| October | 4 | 0 | 744 | 744 | 4 | 4 | 4 | ء د | | | | | | | | | | | | 2 4 | 345 |
| November | 720 | 8 2 | 750 | 22 | 2 | 25 | 3 3 | 244 | | | 44 | ₹ | ¥ | 1 | Ð | 3 | ₹ | # E | 18 | 12 | 182 182 183 183 183 183 183 183 183 183 183 183 |
| December | ¥ | 利 | 3 15 | ₹ | # £ | 1 2 | # % % | 122 | 182 | 8258 | | | | | | | | | | ! | |
| Total | 8258 | 7248 | 8256 | 0878 | 0070 | 3 | } | <u>!</u> | | | | | | | | | | 2018 | 2019 | 2020 | 2021 |
| bedateraid stream | 2001 | 2002 | | 2004 | | 2008 | 2007 | 8002 | 2008 | 5 | 201 | 2012 892 | 200 200 200 200 200 200 200 200 200 200 | 2 Kg | 269 | 892 | 892 | 892 | 692 | 692 | 692 825 |
| Valual. | ¥ | 692 | | 692 | | 885 | 695 | 780 | 260 | | | | | | | | | 629 | 8 8 | Š | 28 |
| February | 672 | 625 | 625 | 8 | | 25 25 | 200 | į | 28 | | | | | | | | | 8 5 | 3 6 | 120 | 22 |
| March | 240 | 228 | | ន្ត | | 8 8 | 9 5 | 3 6 | 14 | | | | | | | | | 202 | 707 | 707 | 707 |
| April | 82 | 22. | | 677 | | 100 | 20. | 707 | 70, | | | | | | | | | 2 2 | 8 | 8 | 88 |
| May | 4 | 70. | | è 8 | | 2 2 | 86 | 48 | 25 | | | | | | | | | 41. | 714 | 714 | 714 |
| Pune | 22 | 3 | | \$? | | 714 | 74 | 714 | 714 | | | | | | | | | 714 | 7 | 714 | 74 |
| July | <u>¥</u> | 74 | ÷ ; | = ; | | 714 | 714 | 7.14 | 714 | | | | | | | | | 8 | 88 | 88 | 8 |
| August | \$ | 7 | | = 8 | | 8 | 8 | 8 | 684 | | | | | | | | | 707 | 707 | 0 | 707 |
| September | 22 | \$ | \$ 1 | \$ \$ | | } } | 707 | 0 | 707 | | | | | | | | | 119 | 119 | 429 | 212 |
| October | ¥ | 9 | | ěĮ | | Ę | 144 | 429 | 229 | | | | | | | | | 669 | 669 | 66 | 쮫 |
| November | 22 | 62 | 229 | 2 6 | | ğ | 68 | 669 | 669 | | | | | | | | | 8 | 88 | 6873 | 7808 |
| December | Ð | 젊 | 졆 | 28.87 | | 18 | 18 | 6873 | 7806 | | | | | | | _ | _ | 94.54% | 84.54% | 94.51% | 94.54% |
| Total Hours Dispached | 8258 | 6851 94.52% | æ | 94.54% | 94.54% | 94.54% | 94.54% | 94.51% | 94.54% | | | | | | | | _ | 89.10% | 89.10% | 78.24% | 89.10% |
| Percentage of Available hours Percentage of Annual Hours | 94.25% | 78.20% | | 89.11% | _ | 89.10% | 89.10% | 78.24% | 89.10% | | _ | _ | | | | | 00 F.10k | 98 51% | 98.51% | 98.58% | 98.51% |
| | | | | 2 | 20 5 4 8 | 00 K10K | 98.51% | 98.58% | 98.51% | 98.51% | 98.51% | 98.51% | 98.51% | 98.58% | 98.51% | 88.51% | R 10.00 | 5 | | | |

98.51% 98.51% 98.51% 98.58% 98.51% 98.51% 98.51% 98.51% 98.51% 98.51% 98.58% Average Annual Load 95.00%

Dispatch Information - Unit 1

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| 88.53.8 | - | 2,350.29 | 88,935 | 23,964 | 112,899 | 921 795 923 | 8,408 | 781,097,147 | 2002 | 1 10 | | 1077 | 1,04,010 | 76.776 | 21,886 | 98,661 | 2.515.870,138 | . 2574 | 1,377,487,279 | 2003 | 2 % 2 % | | | 2440.77 | 6,789,77 | 24,910 | 112,321 | 2 004 877 848 | 6,504,001, | 2,706,954,973 | 1000 | 88.03 \$0.03 | | 2440 77 | 1,593,794 | 87,659 | 24,982 | 10,71 | 2,872,651,101 | F.32 | 7,774,633,475 09071 | 2002 | 87.78% | | 2440.77 | 1,589,275 | 87,410 | 24,910 | ואלאנו | 2,864,502,616 | 9432 | 2,/ UG,834,8/ | |
| Gross Capacity Factor: | | Fuel Fired tonsfire | Total Ash (190% up) - tons | Total Limestone - tons | Total Flyash/Limestone Load - tons | C moderness access | | _ | Plant Net Heat Rate - BTU/KWh: | Gross Capacity Factor: | | | Fuel Fired tons/hr | # 100 - (un #000) deb (#107 | Total Limestone - tons | Total Flyash/Limestone Load - fons | Gross Generation 2 | | | Plant Net Heat Rate - BTL//kWh: | | Gross Capacity races | | Fuel Fired tons.fir | tons | Total Ash (100% up) - tons Total Limentone - tons | Total Flyash/Limestone Load - tons | | Gross Generation Unit Gross Heat Rate - BTU/Wh: | Net Generation | Plant Net Heat Rate - BTUKWh: | Green Capacity Factor: | | | Fuei Fired constant | Total Ash (100% up) - tons | Total Limestone - tons | Total Flyash/Limestone Loed - tons | Gross Generation | Unit1 Gross Heat Rate - BTURWh: | Net Generation | | Gross Capacity Factor: | | affects and a second | Fuel Piffed consult | Total Ash (100% up) - tons | Total Limestone - tons | Total FlyashAlmestone Load - tons | Gross Generation | Units Gross Heat Rate - BTUNWh: | Net Generation | Plant Not meat make the winer |
| 744 | 95.00% | 195.86 | 145,718 | 610,6 | 10,17 | | 263,301,377 | 248,819,801 | 8.936 | December -02 | 94,00% | 98.00% | 202.48 | 141,603 | 222 | 10,021 | - | 255,319,166 | 241,276,632 | 9,977 | December 03 | 744 | 28.00% | 202.48 | 141,603 | 7.788 | 10 021 | | 255,319,188 | 241,278,632 | 7200 | December-04 | 94.00.M | 88.00% | 202.48 | 7.788 | 777 | 10,021 | | 94.28 | | - 1 | December-03 | | | | | | | | 9428 | | - 1 |
| 1 | 95.00% | 195.86 | 141,018 | 7,738 | 9,846 | | 254,807,784 | | 956 | | | 98.00% | 202.48 | 86,789 | 4,773 | 6,142 | | | | | | | | | | 7,537 | | | 247,083,085 | 233,493,515 | 7260 | November-04 | 94.00% | 98.00% | 202.48 | 7537 | 2,160 | 8,697 | | | | - 1 | November 05 | | | | | | | | 9428 | | |
| 744 | 95.00% | 195.86 | 145,718 | 8,015 | 10.174 | | 263,301,377 | | . 1 | October-02 | | | | | | • 0 | | 0 | in o | HOWO! | October-03 | 74 | 95.00% | 262.48 | 143,110 | 7,871 | 27. | 5 | 256,035,349 | 243 843 405 | 7700 | October-94 | 744 | 88.00% | 202.48 | 7.67 | 2,232 | 10,104 | | | | 1 | l | | | | | | 10,104 | | 200,000,048 | | |
| 720 | 100.00 | 195.86 | 141,018 | 7,758 | 2,080 | 2 | 254,807,784 | 240.703.356 | 9566 | Bentamber-02 | 200 | \$00.00 \$00.00 | 204.69 | 140,006 | 7,700 | 2,784 9,884 | <u>!</u> | 252,259,706 | 235 285 422 | 230,303,422 9,984 | September 03. | 720 | 95.00% | 25.00% | 140 008 | 7,700 | 2,184 | 9,884 | 252,259,708 | 0,435 | 774'000'007 | September-04 | 720 | \$00.08 \$00.08 | 204.69 | 140,008 | 2.184 | 9,884 | 905 000 000 | 90/1807/767 | 238,385,422 | 7805 | September-05 | 95 00% | \$600.66 | 204.69 | 140,006 | 3.5 | 9,884 | | 252,239,705 | | |
| 744 | | | | | | | 263,301,377 | | | August-02 | | | | | | | | 266,072,970 | 9,442 | 251,438,957 | August-03 | 744 | 98.00% | 100.00% | E C C C C C C C C C C C C C C C C C C C | 8,128 | 2,281 | 10,409 | 266,072,970 | 9442 | 251,438,957 | August-04 | 744 | 100.00% | 206.90 | 147,777 | 8,128 | 0,40 | | 266,072,970 | 251,438,957 | 1005 | August-05 | 744 | 100.00% | 206,90 | 147,777 | 8,128 | 10,409 | | 286,072,970 | | |
| 4 | 100.00% | 95.00% | 145,718 | 8,015 | 2,160 | 10,174 | 263,301,377 | 9,408 | 248,819,501 | 20-407 | 744 | 86.00% | 200.001 | 147,771 | 8,128 | 7.284 5.55 | BO#'01 | 266,072,970 | 9,442 | 251,438,957 | July-03 | 44 | %00°% | 100.00% | 208.80 | 8,128 | 1,281 | 10,409 | 266,072,970 | 9,442 | 251,438,957 | July-04 | 74 | 100.00% | 206.90 | 147,777 | 8,128 | 10,409 | | 269,072,970 | 251 438 957 | 1000 | 50VIII | 744 | 100.00% | 200.90 | 147,777 | 8,128 | 10,409 | | 266,072,970 | | |
| 22 | 100.00% | 95.00% | 141.018 | 7.758 | 2,090 | 9,846 | 254,807,784 | 807/6 | 240,793,356 | June-02 | 720 | 95.00% | 89.00% | 140.008 | 7,700 | 2,184 | 400'B | 252,259,708 | 9,435 | 238,385,422 | Page 1 | 720 | 82,00% | %00°68 | 204.69 | 7.700 | 2,184 | 9,894 | | | | | 20 | | | | | | | 252,259,706 | 200 200 200 | 430,300, 430,000 | June-08 | 22 | 85.00% | 204,69 | 140,006 | 7,700 | 4, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18 | | 252,259,708 | | |
| ₹ | 100.00% | 85.00% | 145.718 | 8.015 | 2,160 | 10,174 | 263.301.377 | 807'6 | 248,819,801 | May-02 | 74 | 82:00% | 88.00% | 143 110 | 7,871 | 173 | 10,104 | | | | | | | | | | | 10,104 | | 87428 | 243,843,405 | 2017 | 7 | 95.00% | 2007 | 143,110 | 1,87 | 222 | | | | | | | | | | | 7,232 | | 258,035,349 | | |
| 750 FEE | 100.001 | 85.00% | 195.85 | 7.75 | 2,090 | 9,846 | 254 807 784 | 807/8 | 240,793,356 | April 02 | 720 | \$4,00% | 98.00% | 202.48 | 7.537 | 2,160 | 9,697 | 247 083 085 | 9,428 | 233,493,515 | 0.077 | April 193 | 94.00% | \$00.88 | 202.48 | 137,035 | 2,180 | 9,697 | 247 083 085 | 9.428 | 233,483,515 | 700 | 720 | 94.00% | 98.00% | 137.035 | 7,637 | 2,16 | | | | | - | | | | | | 2,160 | | | PL28 | |
| Merch-01 | 100.00% | 85.00% | 195.86 | 2,000 | 260 | 3,282 | 84 628 028 | 8,408 | 80,264,452 | 9020 | 240 | 84.00% | 97.00% | 200.27 | 7.485 | 2 | 3,197 | 01 820 810 | 9.422 | 976,950,77 | 0,070 | March 43 | 2007 | 97.00% | 200,27 | 45,180 | 2,485 | 3,197 | 64 620 840 | 9.422 | 77,038,976 | 0.00 | 48ren-24 | 94.00% | 800.76 | 45 180 | 2,485 | 2 | 3,197 | 61,520,610 | 22 | 77,036,976 | 9970 Variable | 240 | 84.00% | 800.78 | 65.180 | 2,485 | 712 | 3,197 | 61,520,610 | 9422 | 77 A28 G7R |
| February-01 | 100.001 | 95,00% | 185.86 | 131,616 | 87 5 | 9,189 | 900 600 | | 88 | , | 672 | * | | | 126,539 | | 8,976 | 200 487 870 | 276,157,022 | 215,608,906 | 770,0 | February-03 | 872 | \$00.88 \$00.88 | 202.48 | 126,539 | 096'9 | 8,976 | | 7/0'/01'077 | 215,608,908 | 7788 | February 24 696 | 93.00% | 88.00% | Z0Z48 | 7,208 | 2,088 | 9,297 | 236,306,057 | 94.28 | 223,309,224 | 7200 | 672 | 93.00% | \$6.00% | 202A8 | 6.960 | 2,016 | 8,976 | 228,157,572 | | 970 909 970 |
| 10 August | 100.001 | 95.00% | 195.85 | 145,718 | 8,013 2,460 | 10,174 | | 0.408 | 248,819,801 | 950 | January-02 | 83.00% | 98.00% | 202.48 | 140,097 | 22.5 | 86,938 | | 252,803,020 | 238,709,860 | | 뒴 | 7 5 | 93.00% 98.00% | 202.48 | 140,087 | 7,705 | 7777 878 878 878 | | 252,803,025 | 238,709,860 | | | 85 | | | | ij | | 252 803 026 | | 8 | | 74 A | | _ | | | | 9:638 | 252.603.026 | | 1 |
| Unit 1 Dispetch information: | Hours Available for Lispatch | Average Of notice Capacitics | Fuel Fired tons/fir | tons | Total Ash (100% up) - tons | Total Flyash/Limestone Load - tons | Heat Rate Information: | Gross Generation | Net Generation | Plant Net Heat Rate - BTUMMit. | Unit 1 Disperch Information: | Oementeds of Hours Disputched | Average Dispached Load | Fuel Fired tons.fit | tou: | Total Ash (100% up) - tons | Total FlyssMJmestone Load - tons | Heat Rate Information: | Gross Generation | Unit I Gross Heat Ratio - 5 I LARWIT. | Plant Net Heat Rate - BTUMWh: | Unit 1 Dispatch Information: | Hours Available for Dispatch | Percentage of Hours Dispersed | Average Capacitor Local | tores | Total Ash (100% up) - tons | Total Limestone (100% up) - tons | Heat Bate Information: | Gross Generation | Unit Gross Heat Rate - B I UKWIT. | Plant Net Heat Rate - BTUMMhr. | Unit 1 Dispatch Information: | Portraction of Hours Olsostohed | Average Dispached Load | Fuel Fired torraffir | enot | Total Limestone (100% up) - tons | Total Flyash/Limestone Load - tons | Heat Bate Information | Unit Gross Heat Rate - BTUMWit | Net Generation | Plant Net Heat Rate - BTUMWh. | Unit 1 Dispatch Information: | Percentage of Hours Dispatched | Average Dispached Load | Fuel Fired tons/fir | and - (m. 2001) ded part | Total Limestone (100% up) - tons | Total FlyssMJimestone Load - tons | Heat Bate Information: | Unit I Gross Heat Rate - BTURWIT | |

O9833823 .O41201

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Unit 1 Gross Capacity:

Unit 1 Operations

Assumed Tax (per ton of Carbon): \$40

Sub-

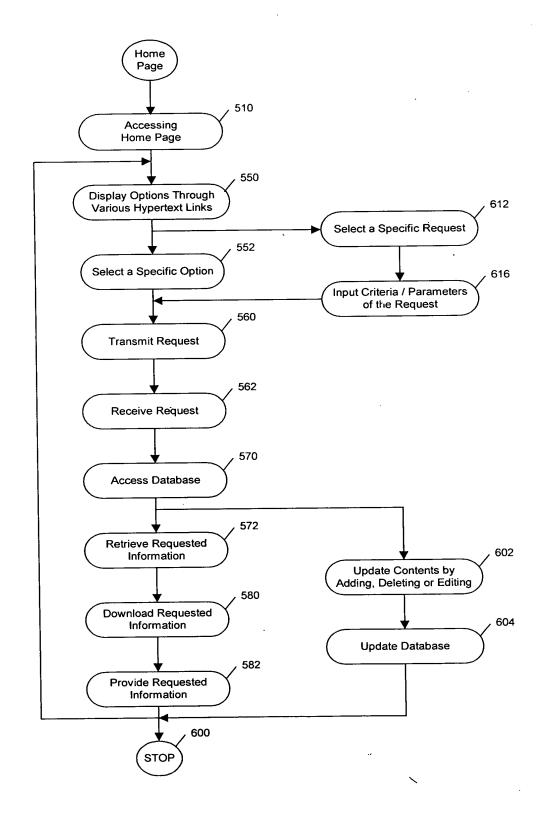
| | Bituminous |
|-------------|--|
| BTU/KWH | 9,956 |
| BTU/# | 8,500 |
| | 48.30% |
| MW | 373 |
| | 0.25% |
| | 12.01 |
| | 32.00 |
| | 1.11 |
| per Ton | \$30.00 |
| | |
| | 2,761,097,147 |
| Tons | 1,617,002 |
| | |
| Tons | 781,012 |
| Tons | 2,861,804 |
| Total | \$48,631,344 |
| \$/kwh | \$0.0176 |
| | |
| Carbon Tax: | \$31,240,484 |
| per KWH | \$0.0113 |
| per MMBtu | \$1.14 |
| | BTU/# MW per Ton Tons Tons Tons Total \$/kwh Carbon Tax: per KWH |

Tons CO2/kWh

0.001036473

FIGURE . 32

FIGURE 33 500



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